SA3 Final Project

Milestone 2

HandShake

Fixing bugs

Polishing code

Finishing features

Handshake Planning

Milestone 2 | Milestone 3 | Milestone 4 | Milestone 5 | + New view

Filter by keyword or by field

Todo 3

- Draft — Organize the frontend router structure
- Draft — Make login and sign up actually work
- Draft — Add about us page

+ Add item

In Progress 2

- Draft — Organize the frontend socket structure
- Draft — Structure and implementation of socket server

+ Add item

Done 7

- handshake #33 — Setup of the Vue frontend
- Draft — Organize the message protocol
- Draft — Define the structure of the messages
- Draft — Complete the documentation for sockets
- Draft — Complete the documentation for routes
- handshake #30 — [BUG] The frontend is not responsive (M2/M3)
- Draft — Complete routes

+ Add item

Roles

CSS + About

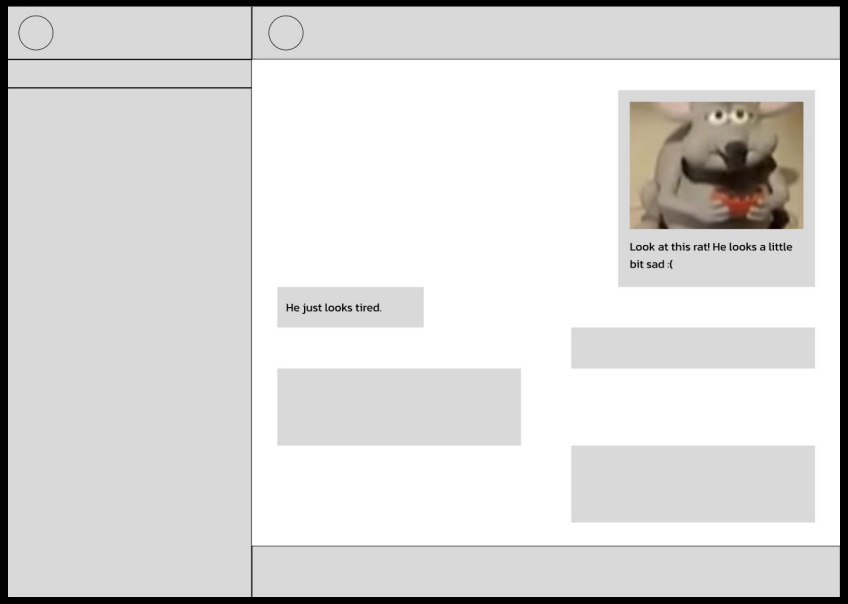
Frontend + Backend

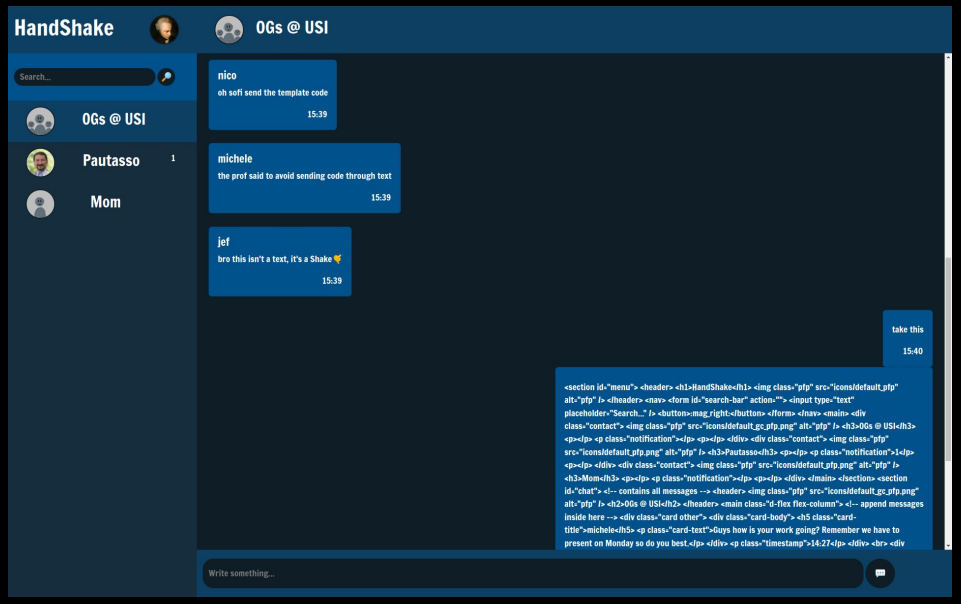
Setup + Frontend + Tester

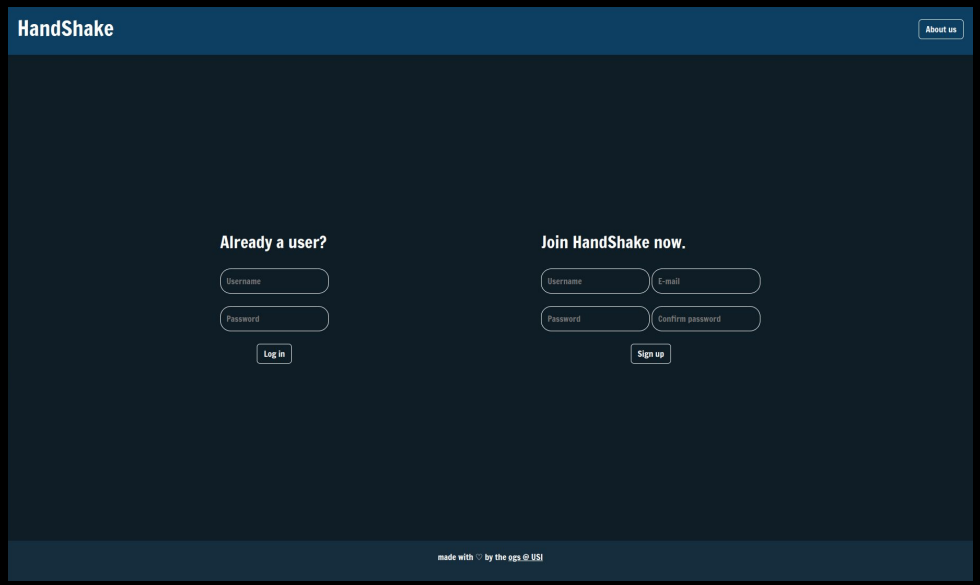
Frontend

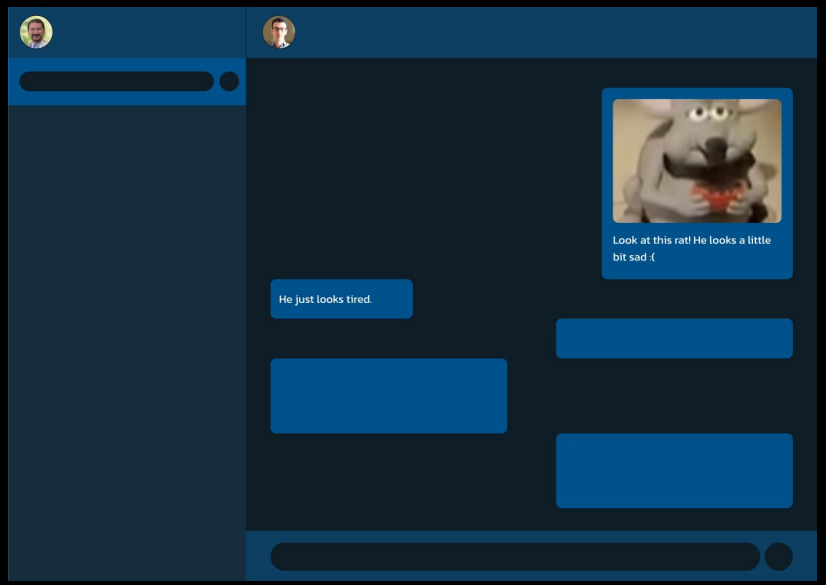
Backend + Customer + Tester


layout

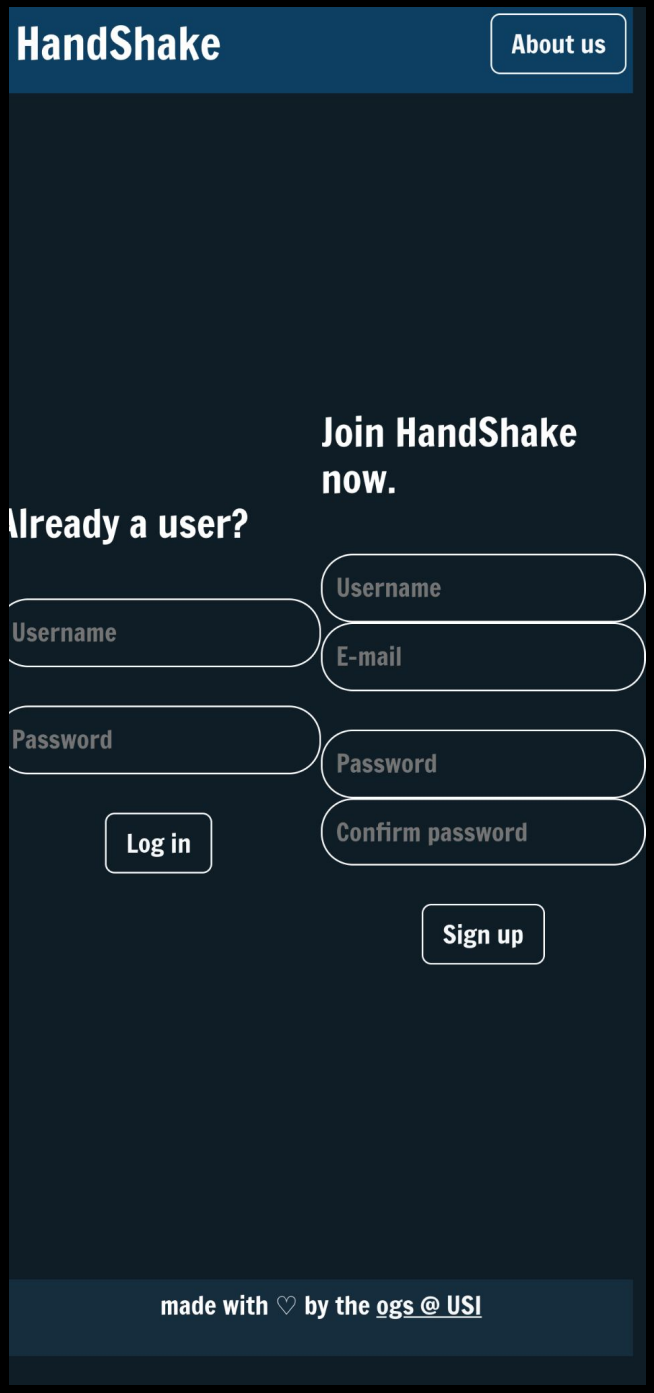

Look at this rat! He looks a little bit sad :(
He just looks tired.

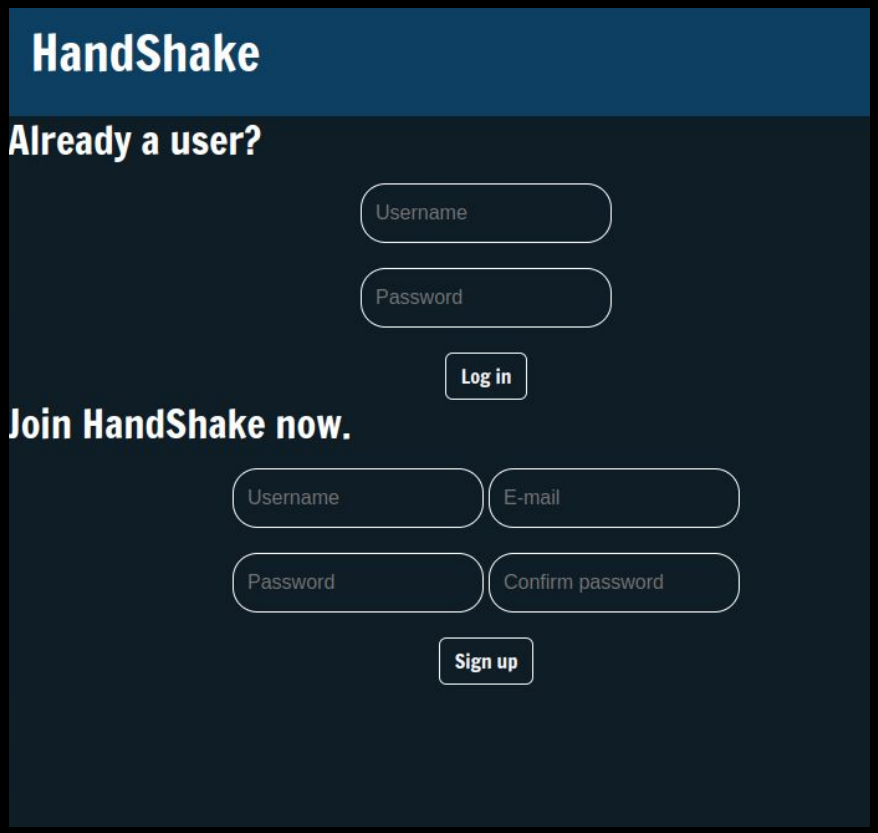

HandShake
OGs @ USI
Search...
OGs @ USI
Pautasso 1
Mom
nico
oh sofi send the template code
15:39
michele
the prof said to avoid sending code through text
15:39
jef
bro this isn't a text, it's a Shake
15:39
take this
15:40
Write something...


HandShake
About us
Already a user?
Username
Password
Log in
Join HandShake now.
Username
E-mail
Password
Confirm password
Sign up
made with ♡ by the ogs @ USI


Look at this rat! He looks a little bit sad :(
He just looks tired.


B
B
B
B
B
B
B
B
B
B
B


HandShake
About us
Join HandShake now.
lready a user?
Username
E-mail
Password
Password
Confirm password
Log in
Sign up
made with ♡ by the ogs @ USI


HandShake
Already a user?
Username
Password
Log in
Join HandShake now.
Username
E-mail
Password
Confirm password
Sign up


made with ♡ by the ogs @ USI

[BUG] The frontend is not responsive (M2/M3) #30

Closed **micheledallerive** opened this issue 6 days ago · 1 comment

micheledallerive commented 6 days ago • edited Member

Describe the bug

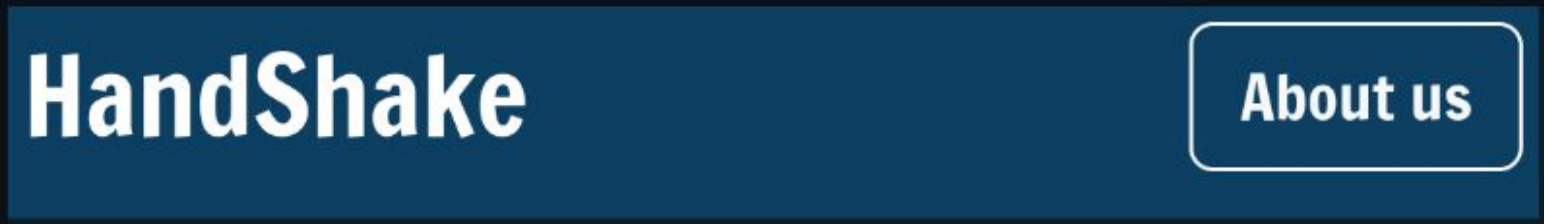
- The frontend components are not responsive (width/heights set with `vw`).
- The spaces are created using `<br/>` elements (instead of css `gap`)
- The two main sections (chats list and chat) could be implemented as `col-*` (for example, the left column could be col-12 col-md-4 col-lg-3, to make it 100% for smartphones, 33% for tablets and 25% for computer and bigger devices. It could be useful also a `max-width` property)
- The Bootstrap classes could be used to make the code easier to read, adapt and understand, since the majority of the components are unique and creating a specific class is not useful.

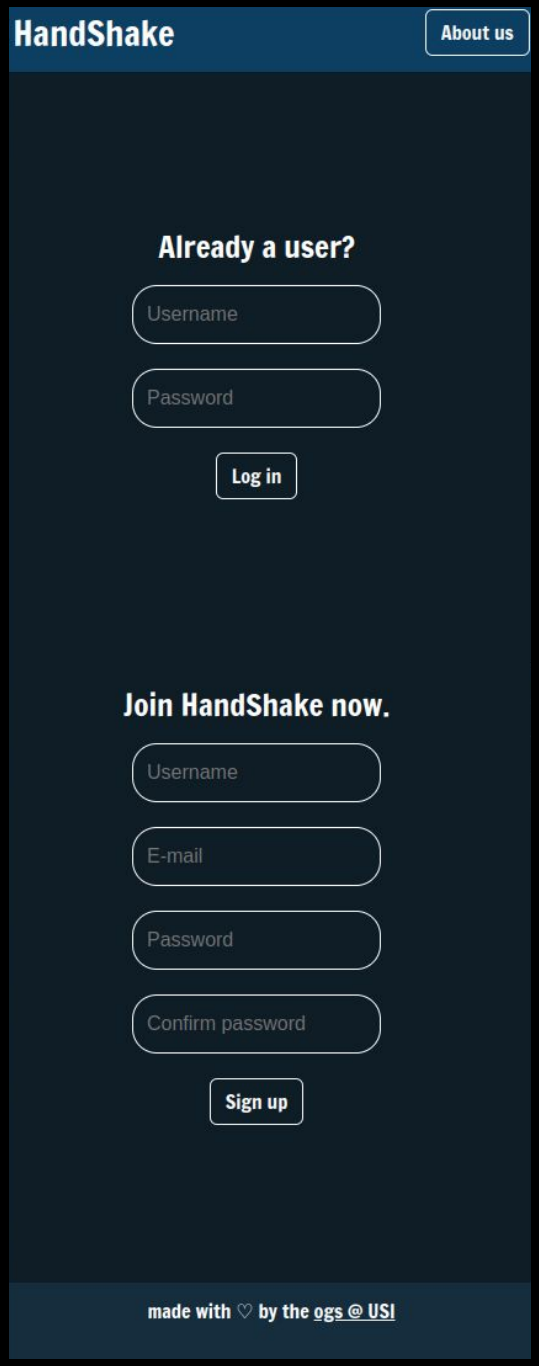
To Reproduce
Steps to reproduce the behavior:

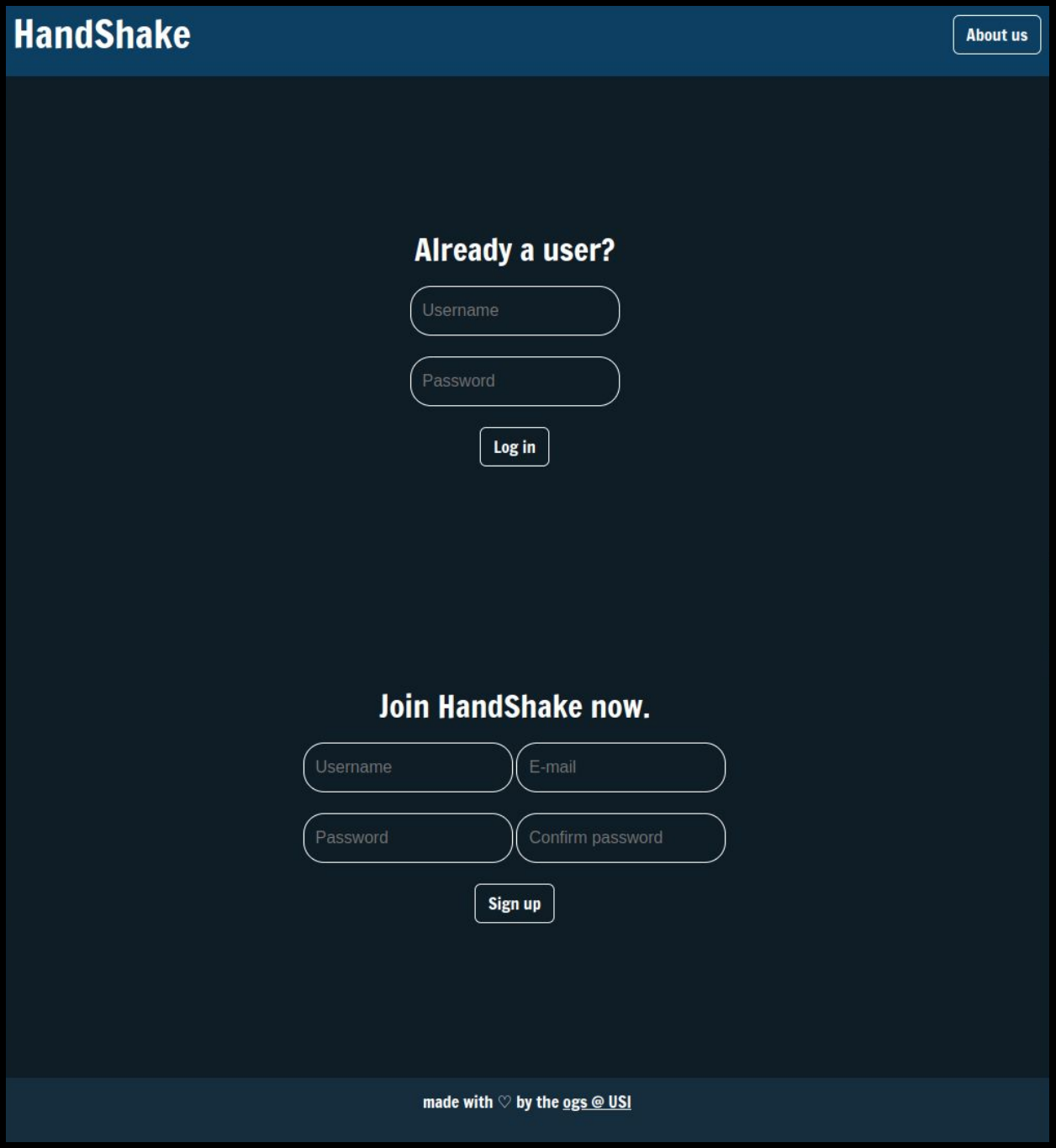
1. Take the code of the views.
2. Put them together in a temporary HTML file.
3. Open the file.

Target
Milestone 2/3(?)

Screenshots




HandShake
About us
Already a user?
Username
Password
Log in
Join HandShake now.
Username
E-mail
Password
Confirm password
Sign up
made with ♡ by the ogs @ USI


HandShake
About us
Already a user?
Username
Password
Log in
Join HandShake now.
Username
E-mail
Password
Confirm password
Sign up
made with ♡ by the ogs @ USI


About us /
Homepage


LottieFiles


* Scroll Down *
* Scroll Down *

Lottie Player

Interactivity Guide

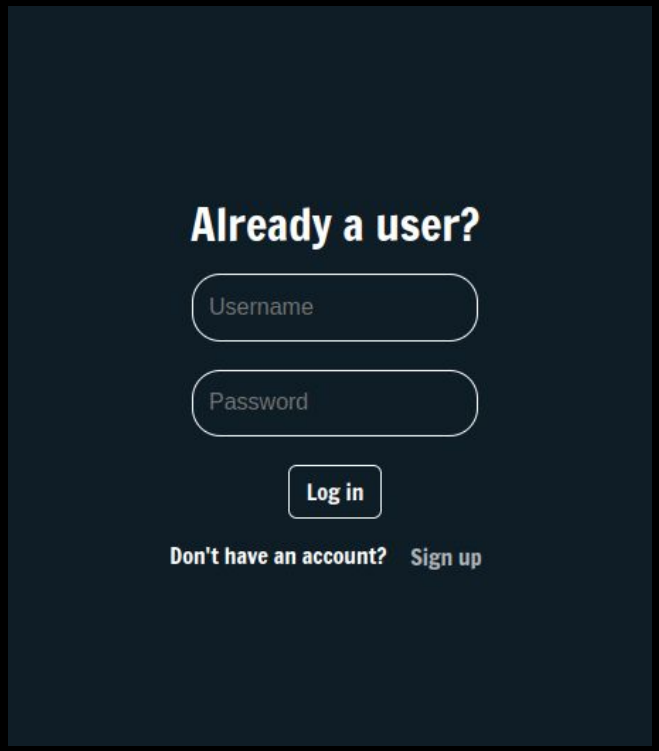
This is a quick demo for using the Lottie web player to add interactivity to your applications

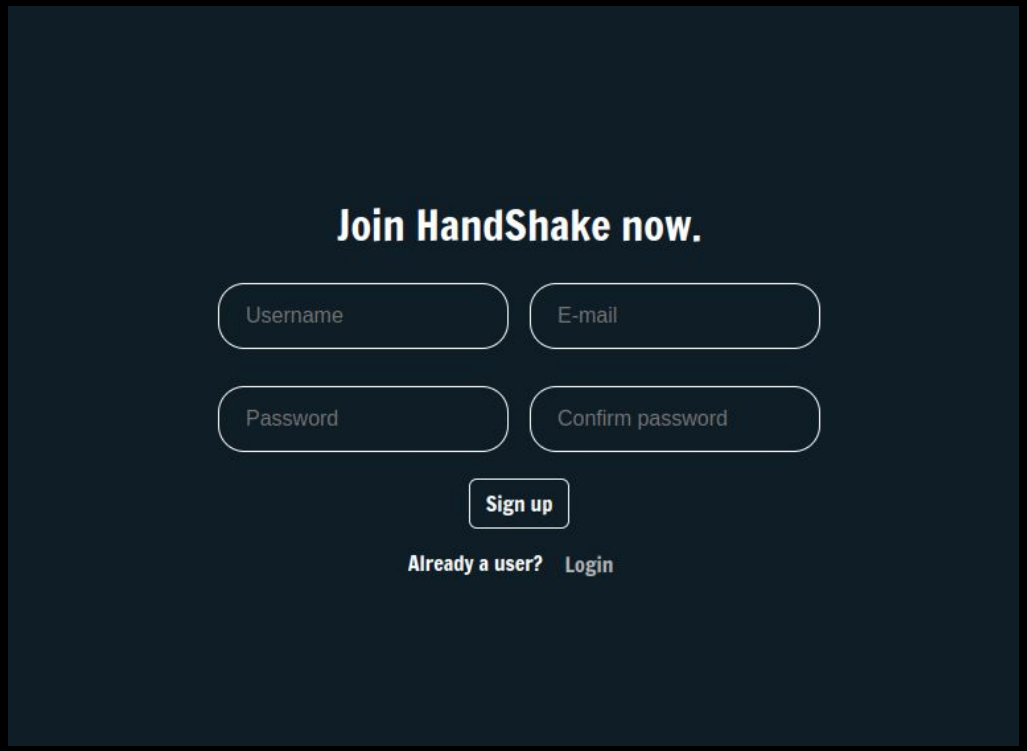
Github


frontend

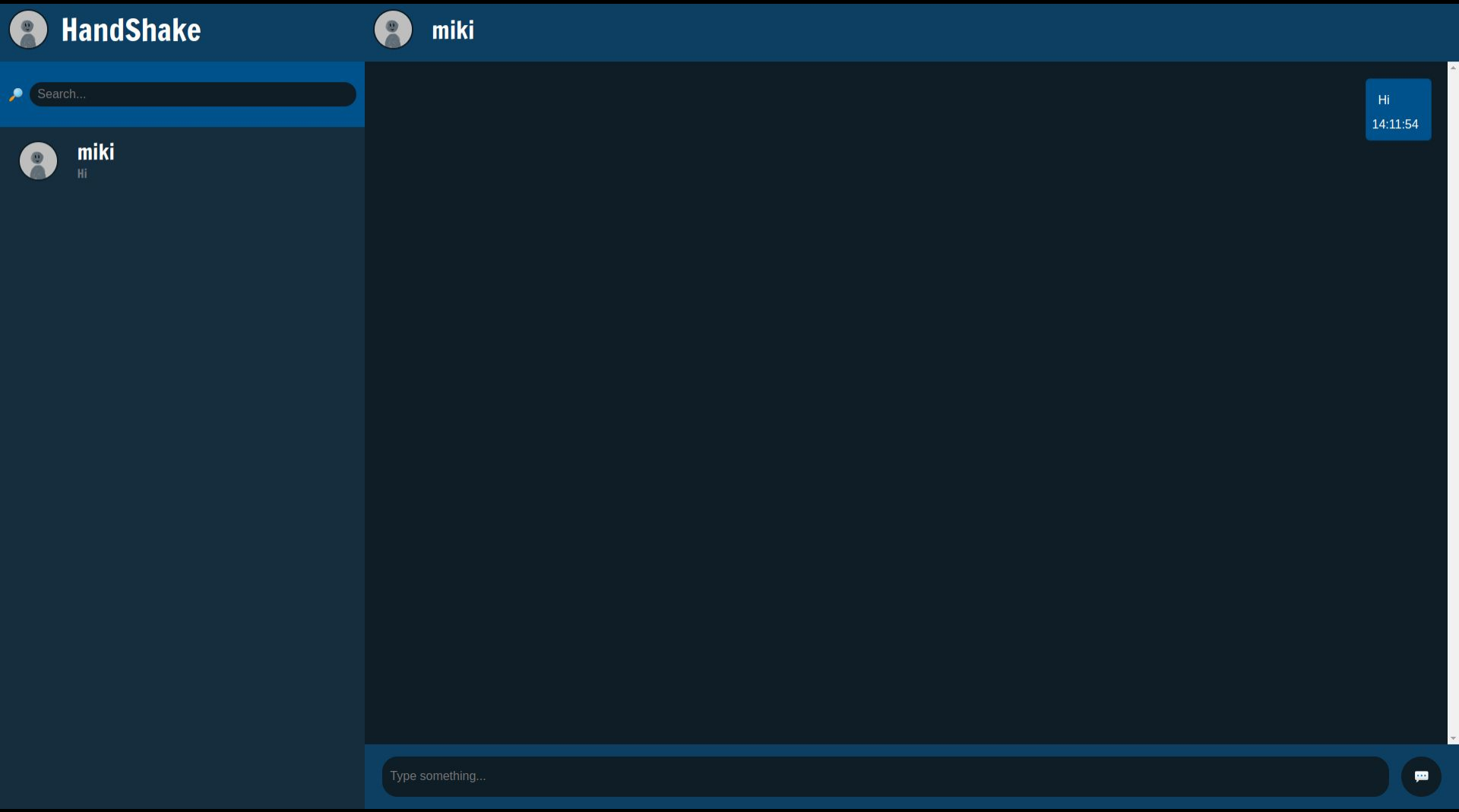
Frontend #Vue

Created Login and SignUp

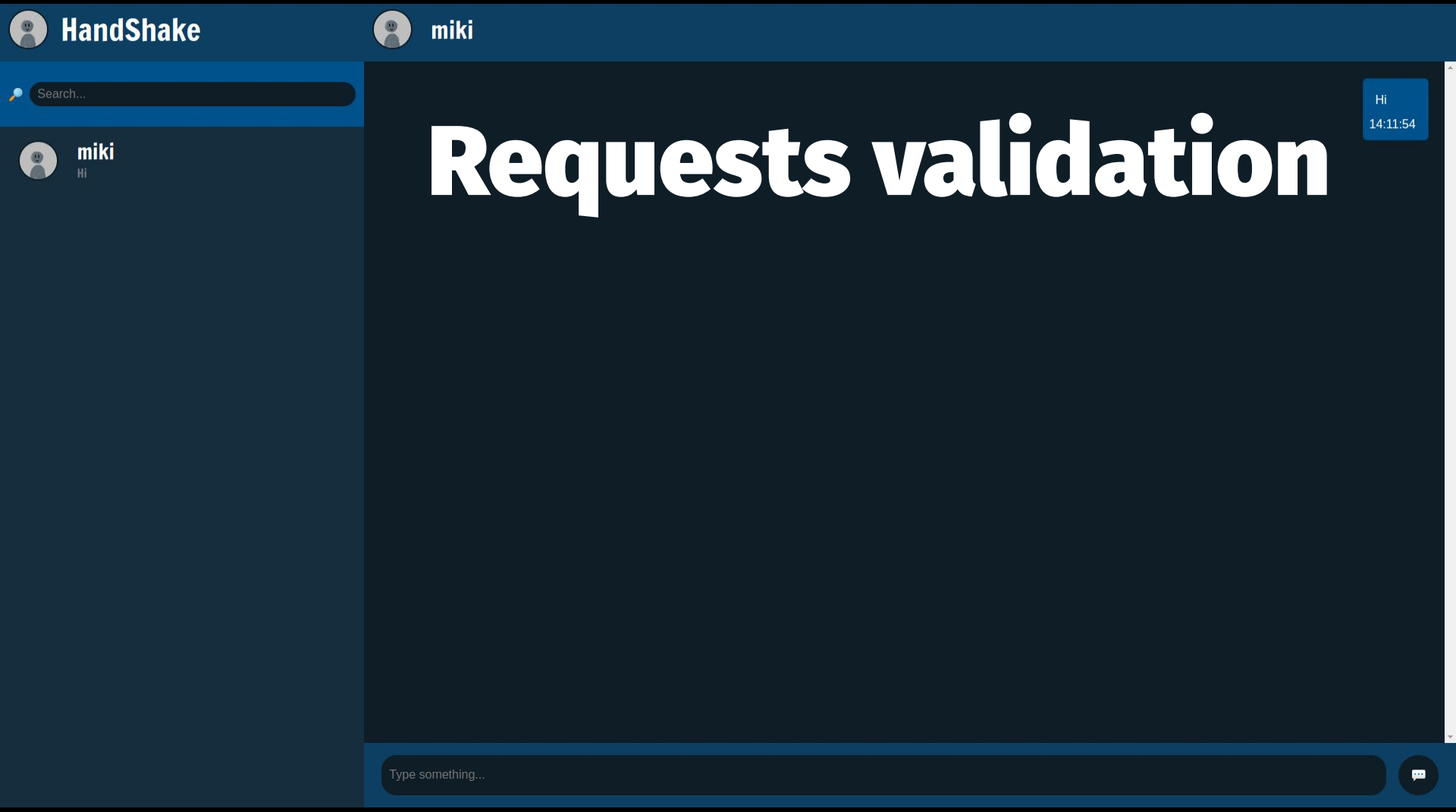




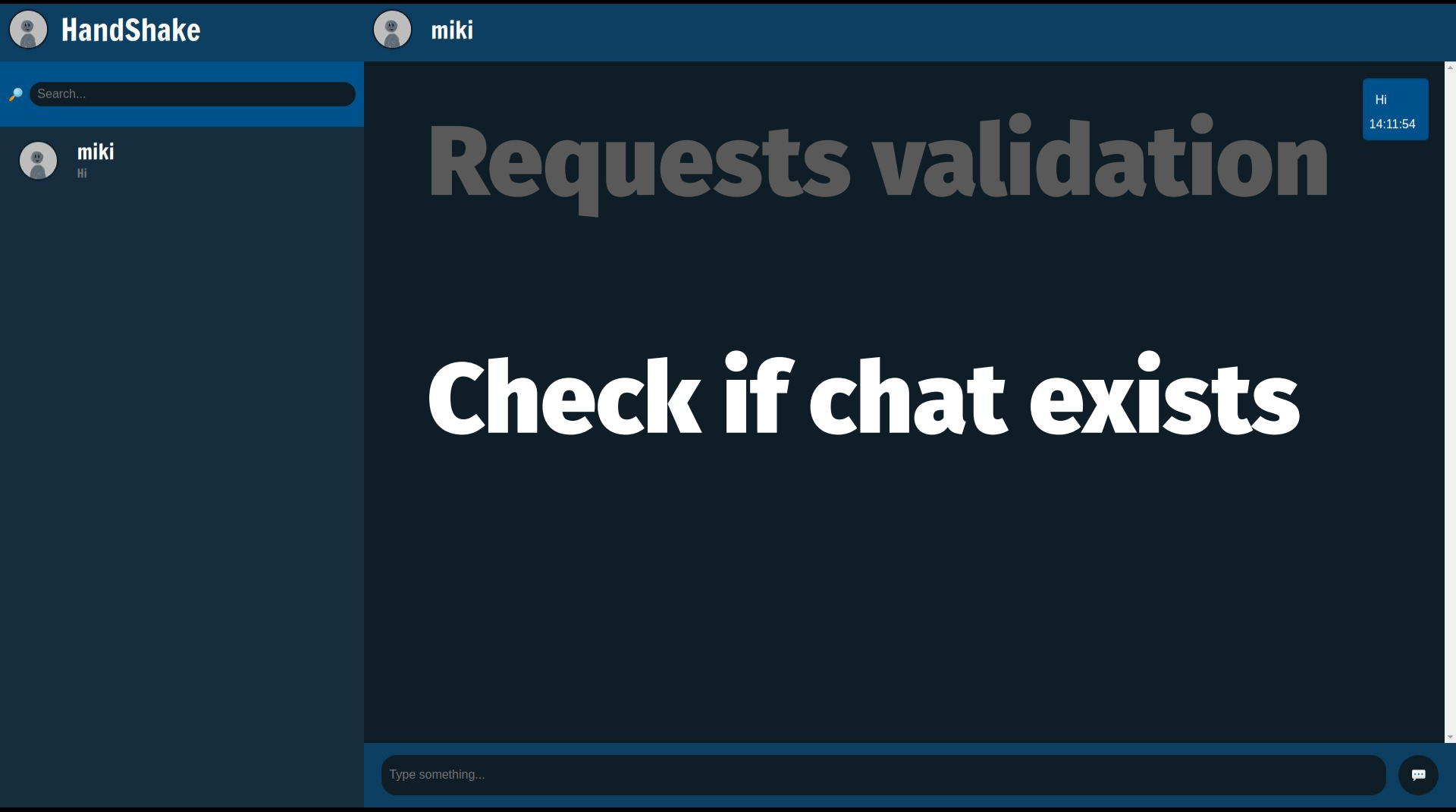
Handled the exchange of messages



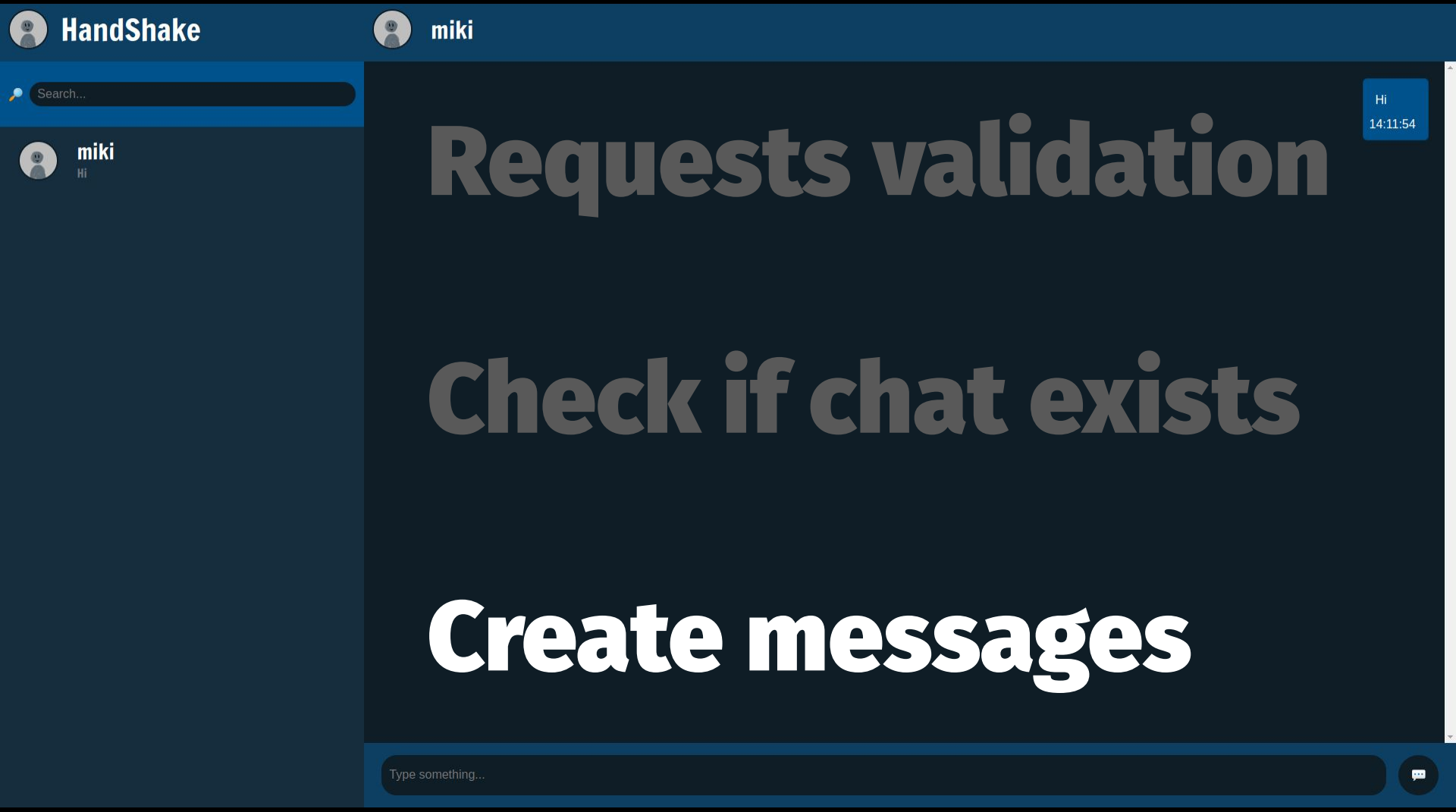
Handled the exchange of messages



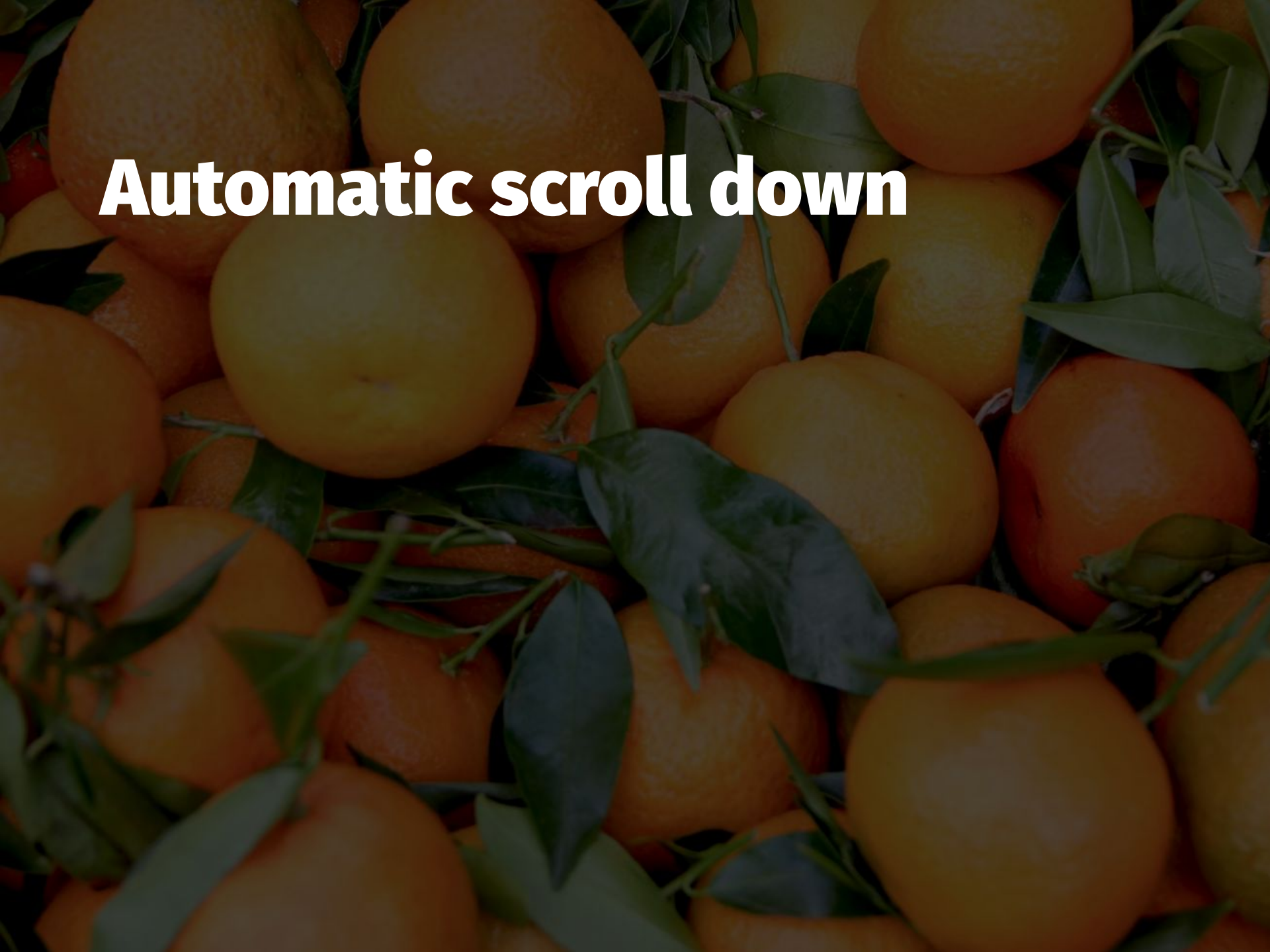
Handled the exchange of messages

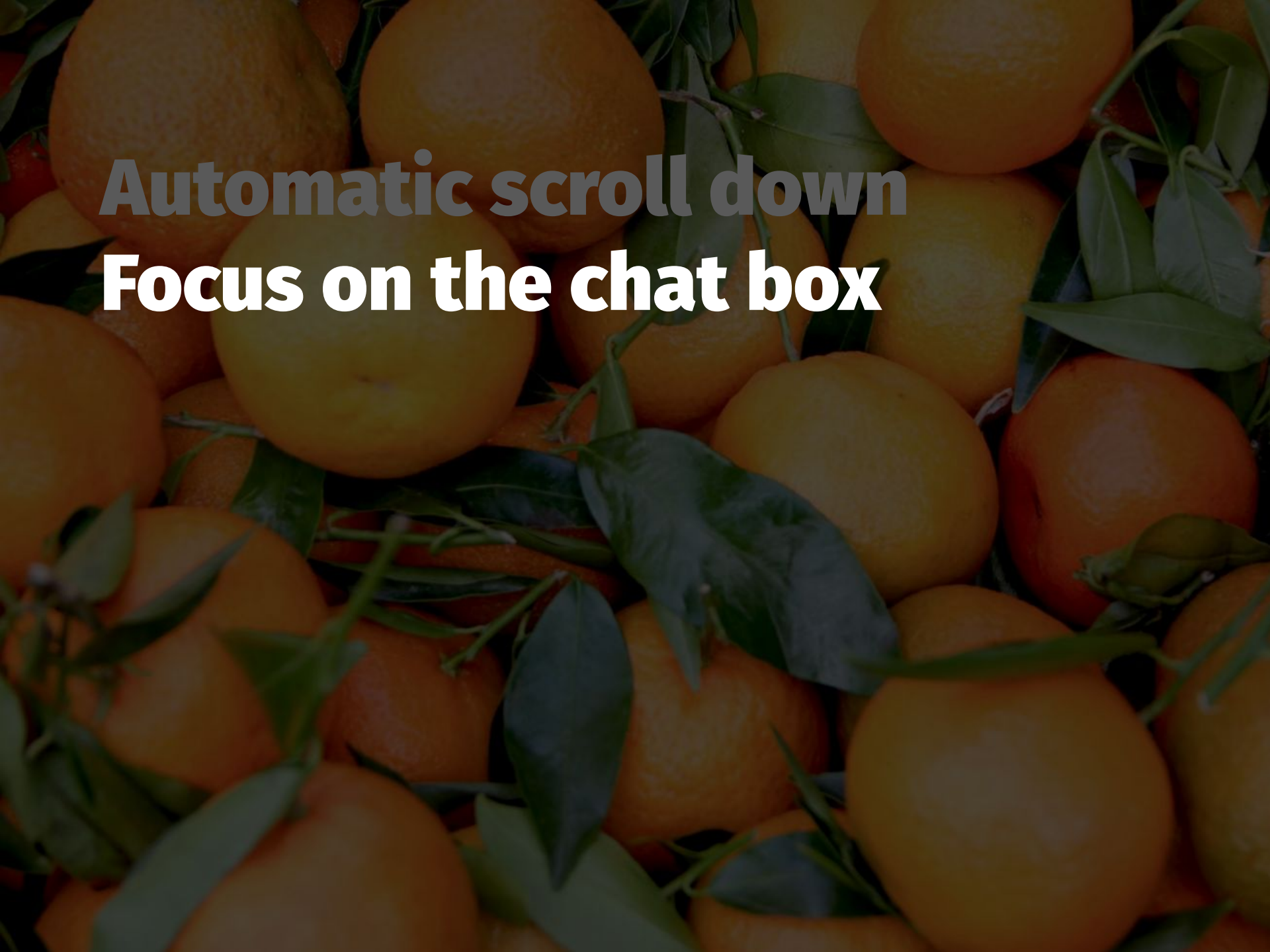


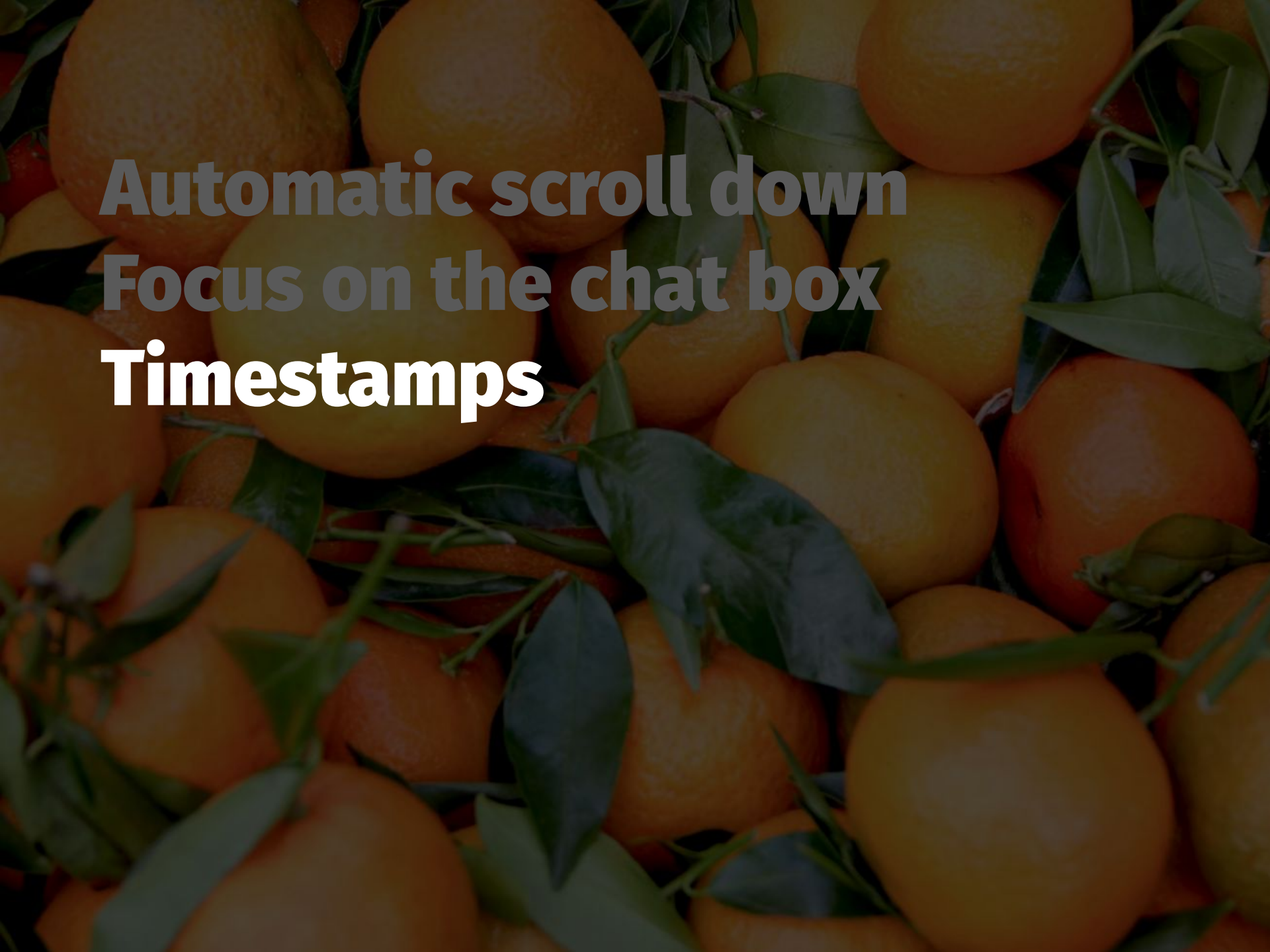
Handled the exchange of messages

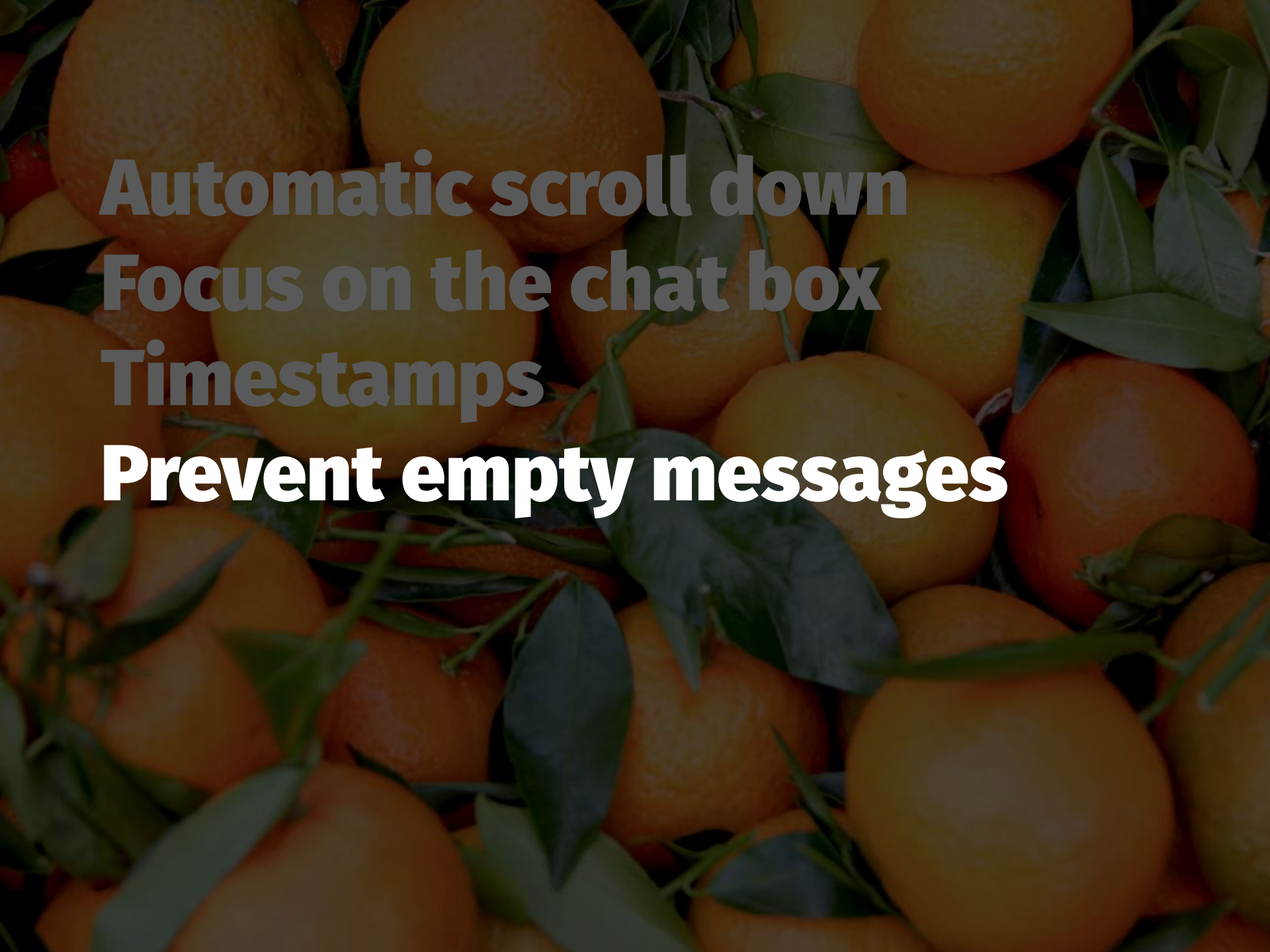


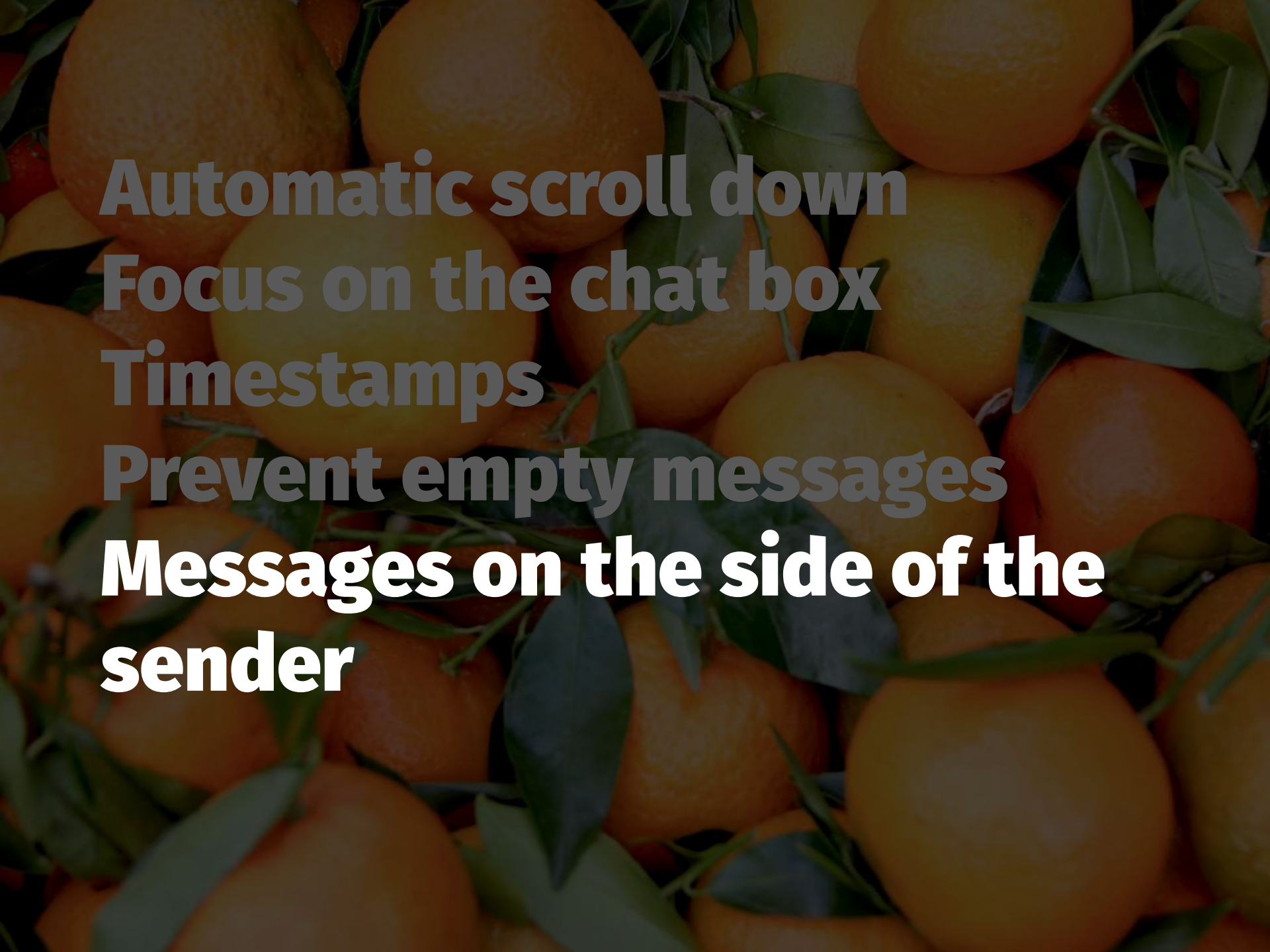

chat features

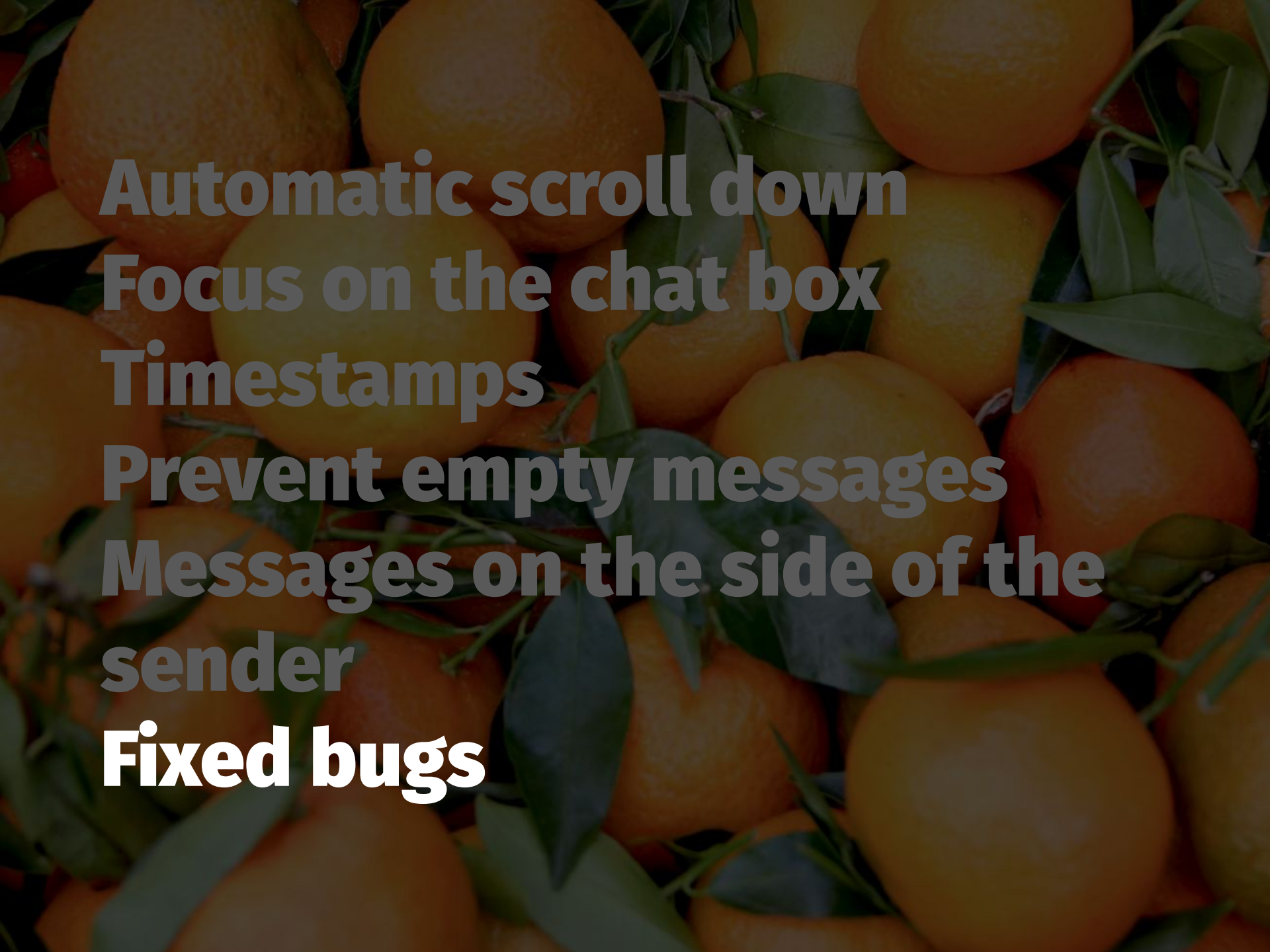

Automatic scroll down


Automatic scroll down
Focus on the chat box


Automatic scroll down
Focus on the chat box
Timestamps


Automatic scroll down
Focus on the chat box
Timestamps
Prevent empty messages


Automatic scroll down
Focus on the chat box
Timestamps
Prevent empty messages
Messages on the side of the sender


Automatic scroll down
Focus on the chat box
Timestamps
Prevent empty messages
Messages on the side of the sender
Fixed bugs


Message protocol

Message exchange dilemma: HTTP / socket

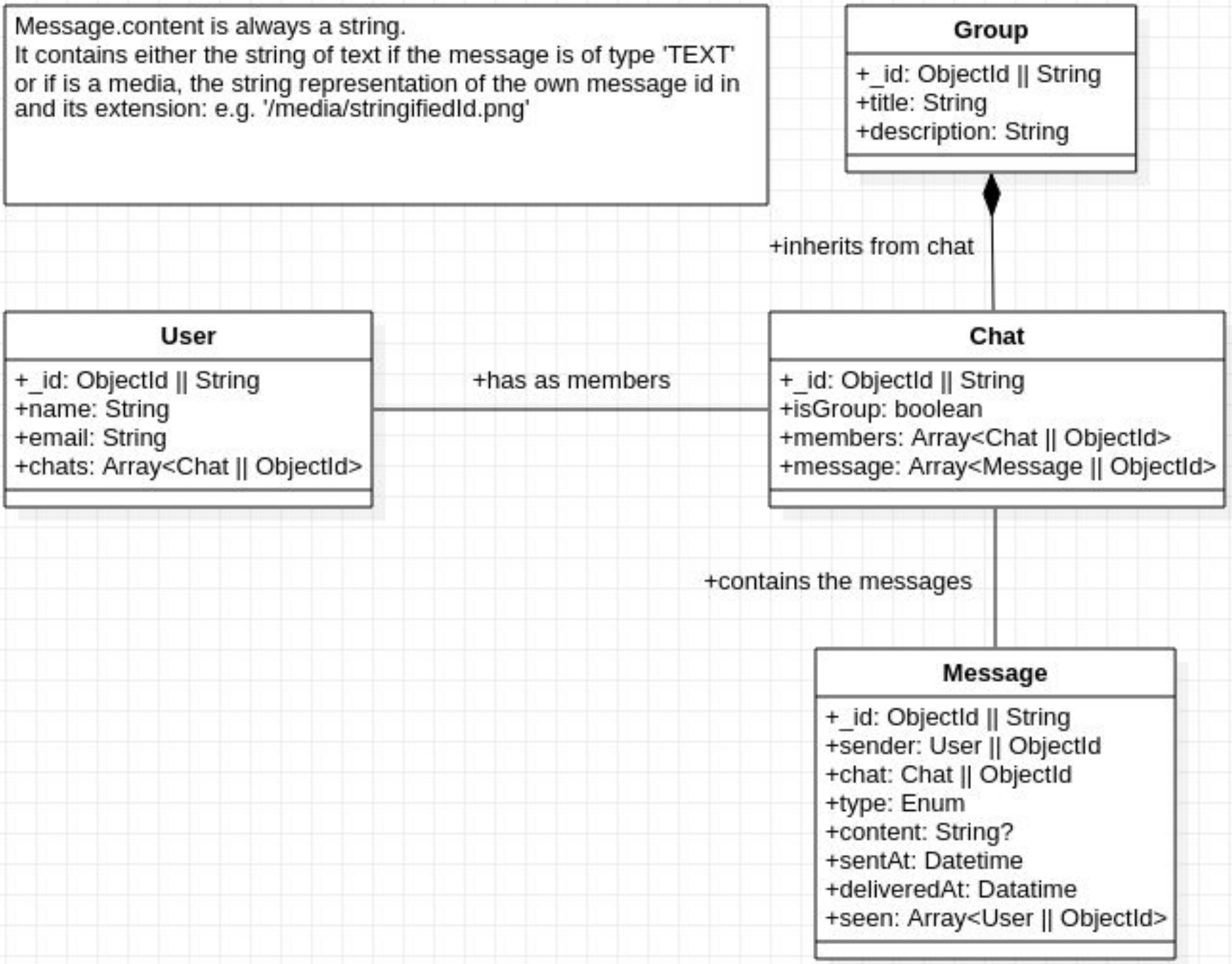
Message exchange dilemma: HTTP / socket

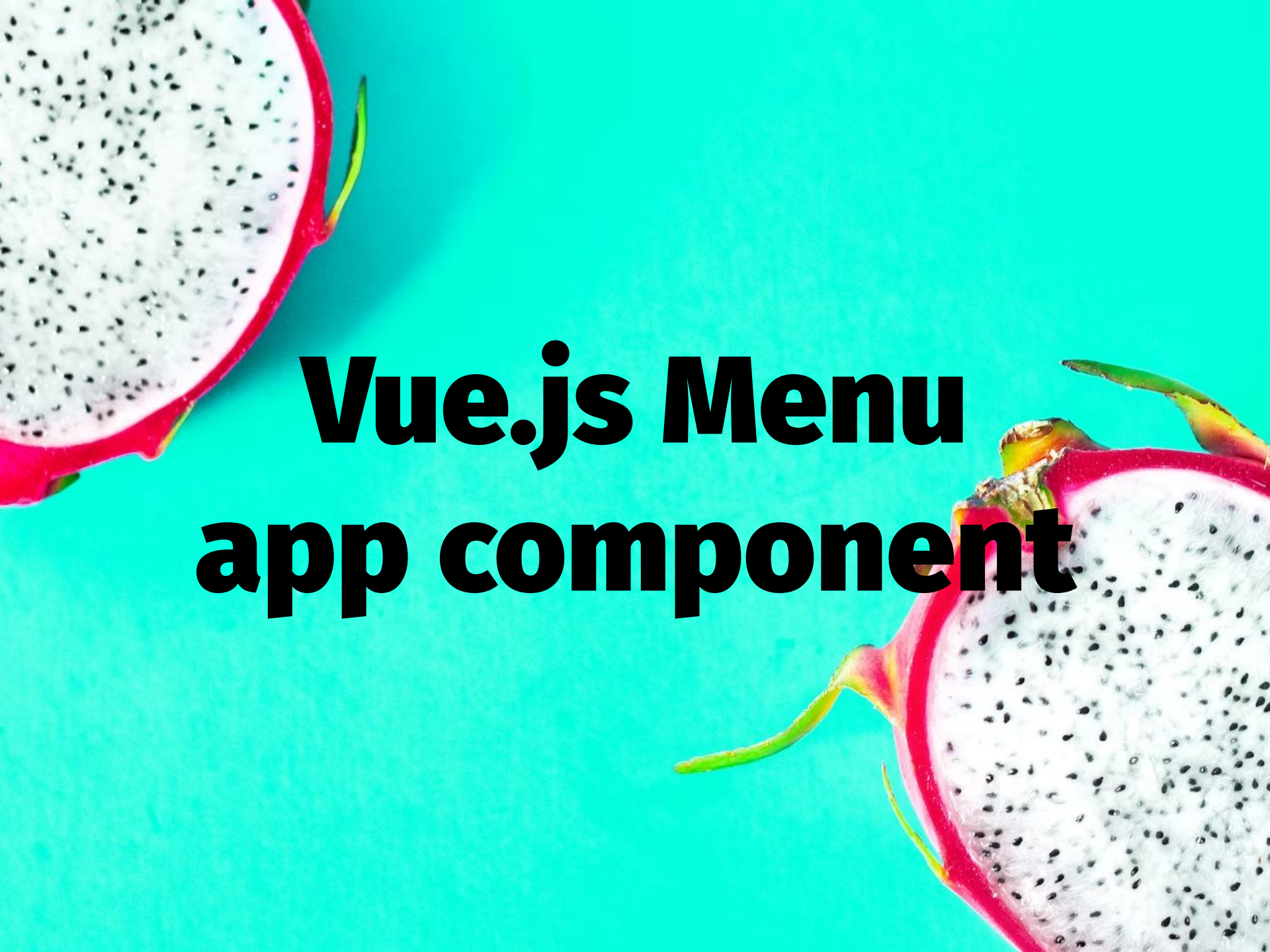
Socket as passive state updates propagation for clients

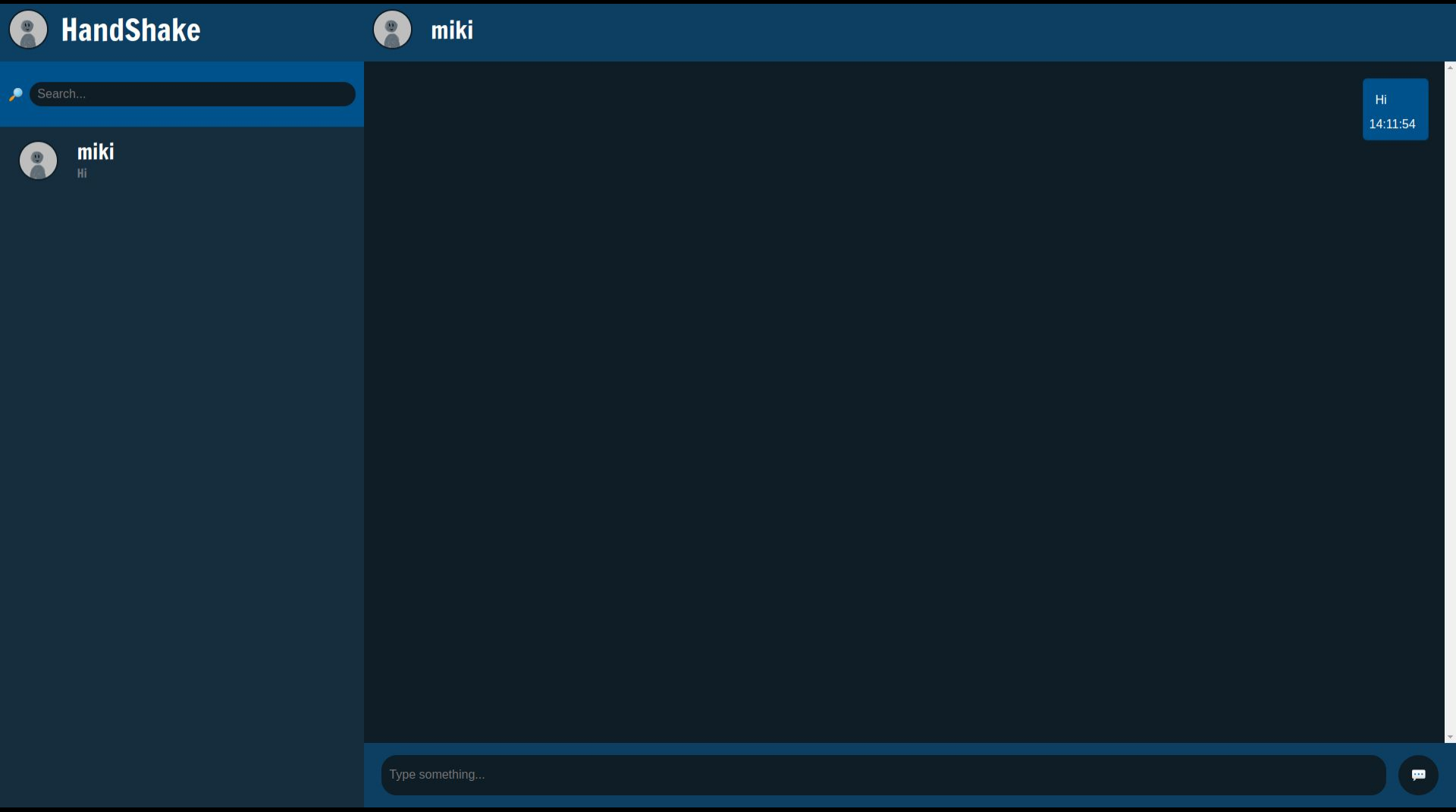

Message exchange dilemma:
HTTP / socket
Socket as passive state
updates propagation for clients
Diving HTTP routes and socket

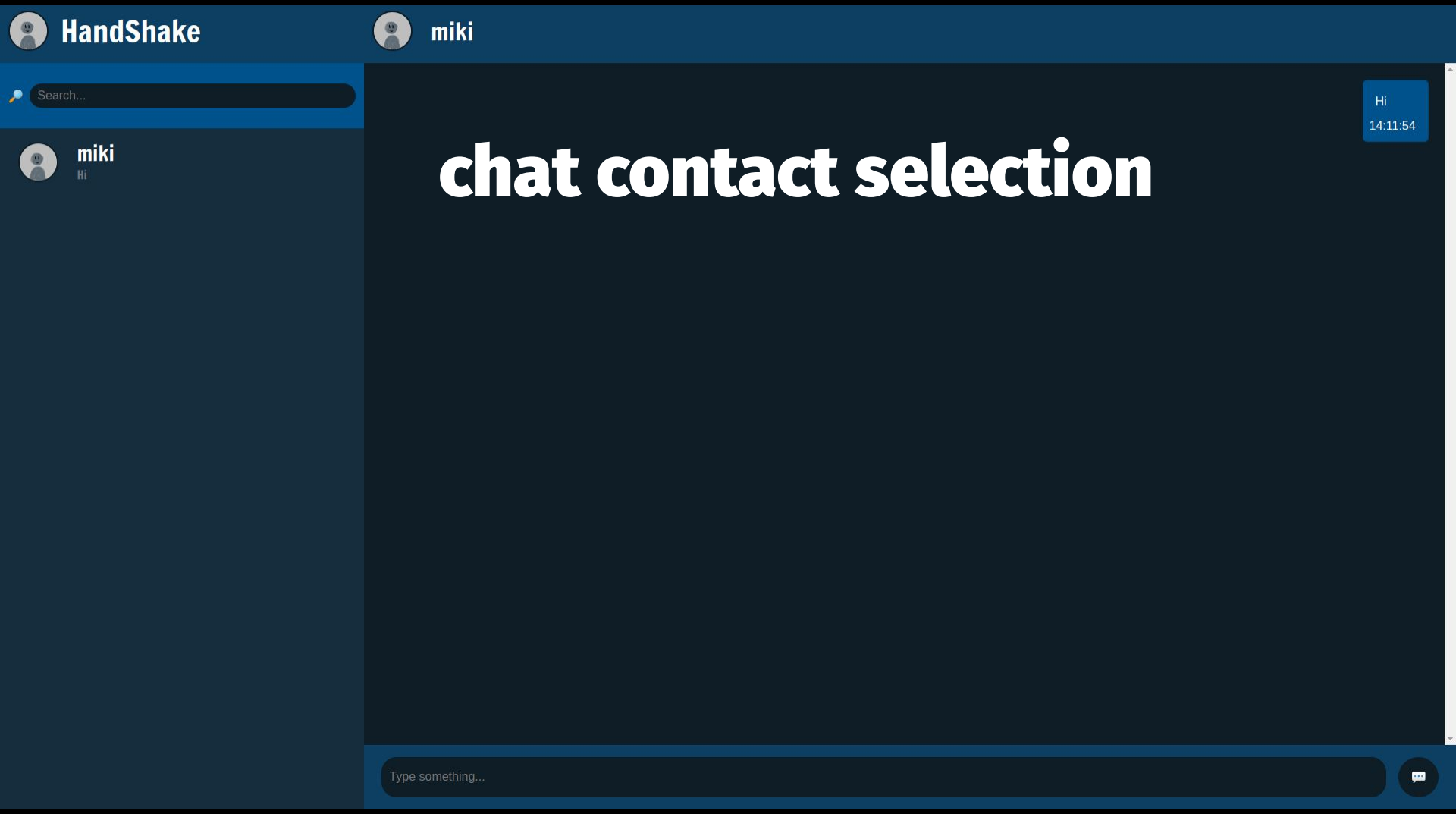

Message exchange dilemma:
HTTP / socket
Socket as passive state
updates propagation for clients
Diving HTTP routes and socket
Prototyping

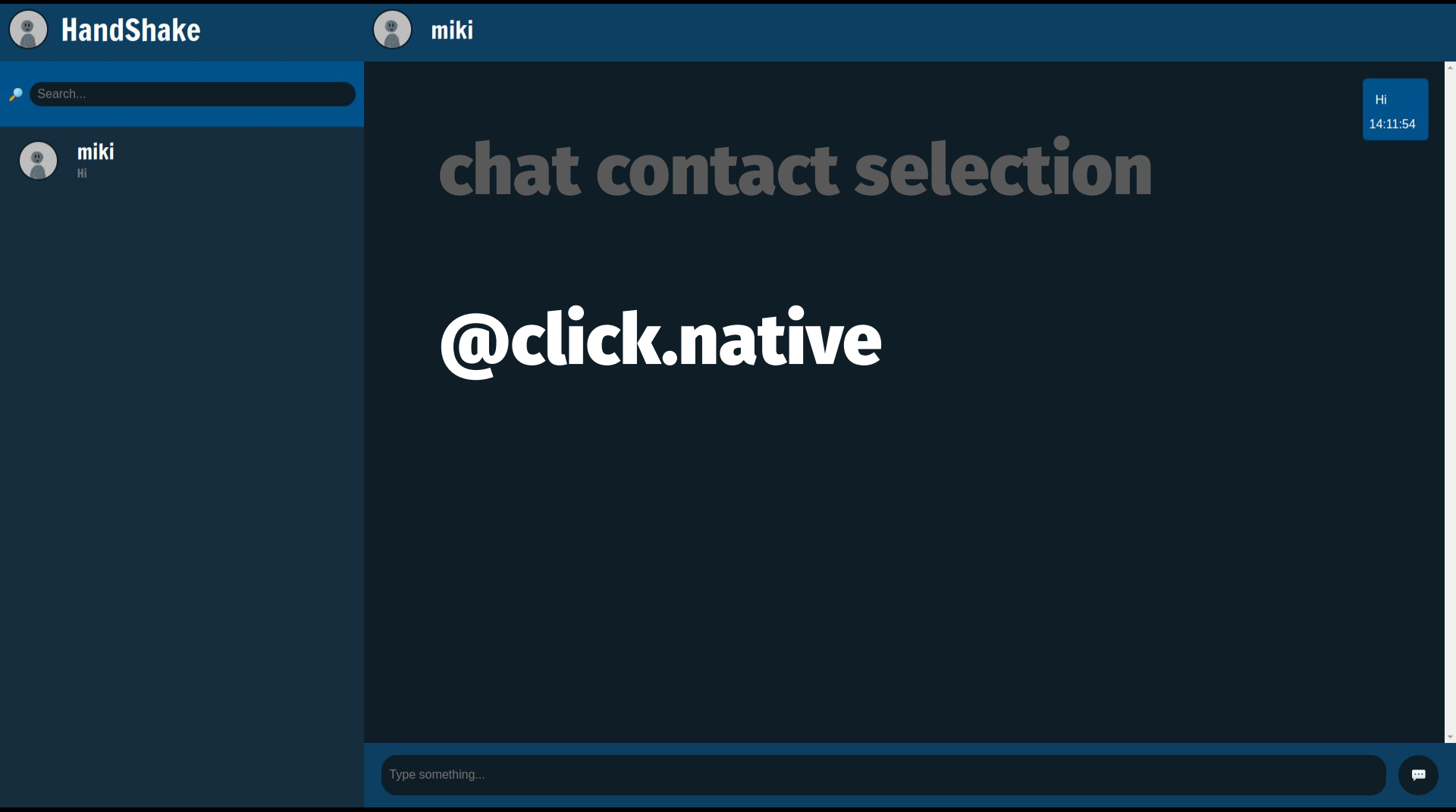

UML

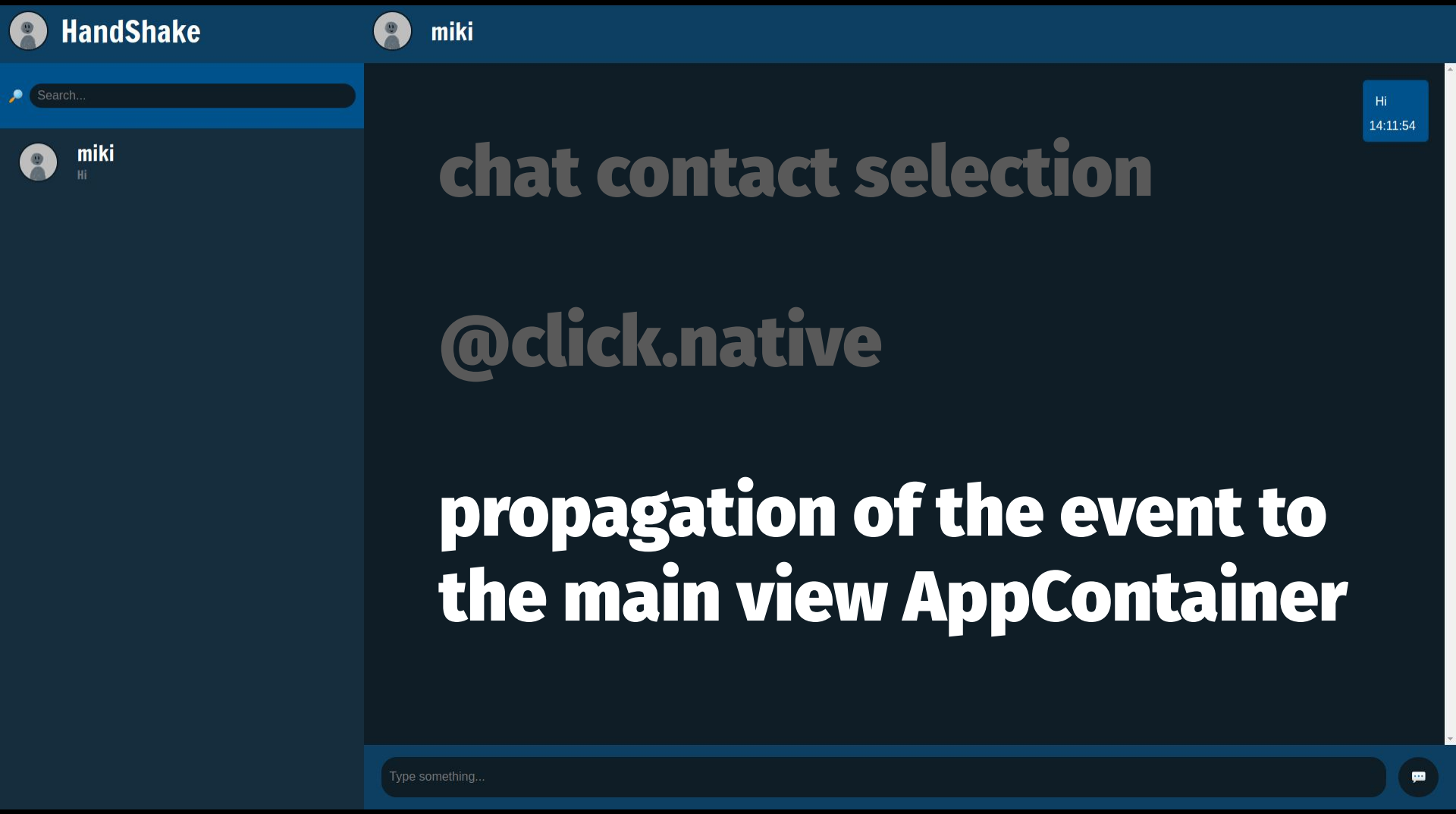

Message.content is always a string.
It contains either the string of text if the message is of type 'TEXT'
or if is a media, the string representation of the own message id in
and its extension: e.g. '/media/stringifiedId.png'
Group
+_id: ObjectId || String
+title: String
+description: String
+inherits from chat
User
+_id: ObjectId || String
+name: String
+email: String
+chats: Array<Chat || ObjectId>
+has as members
Chat
+_id: ObjectId || String
+isGroup: boolean
+members: Array<Chat || ObjectId>
+message: Array<Message || ObjectId>
+contains the messages
Message
+_id: ObjectId || String
+sender: User || ObjectId
+chat: Chat || ObjectId
+type: Enum
+content: String?
+sentAt: Datetime
+deliveredAt: Datatime
+seen: Array<User || ObjectId>


Vue.js Menu
app component

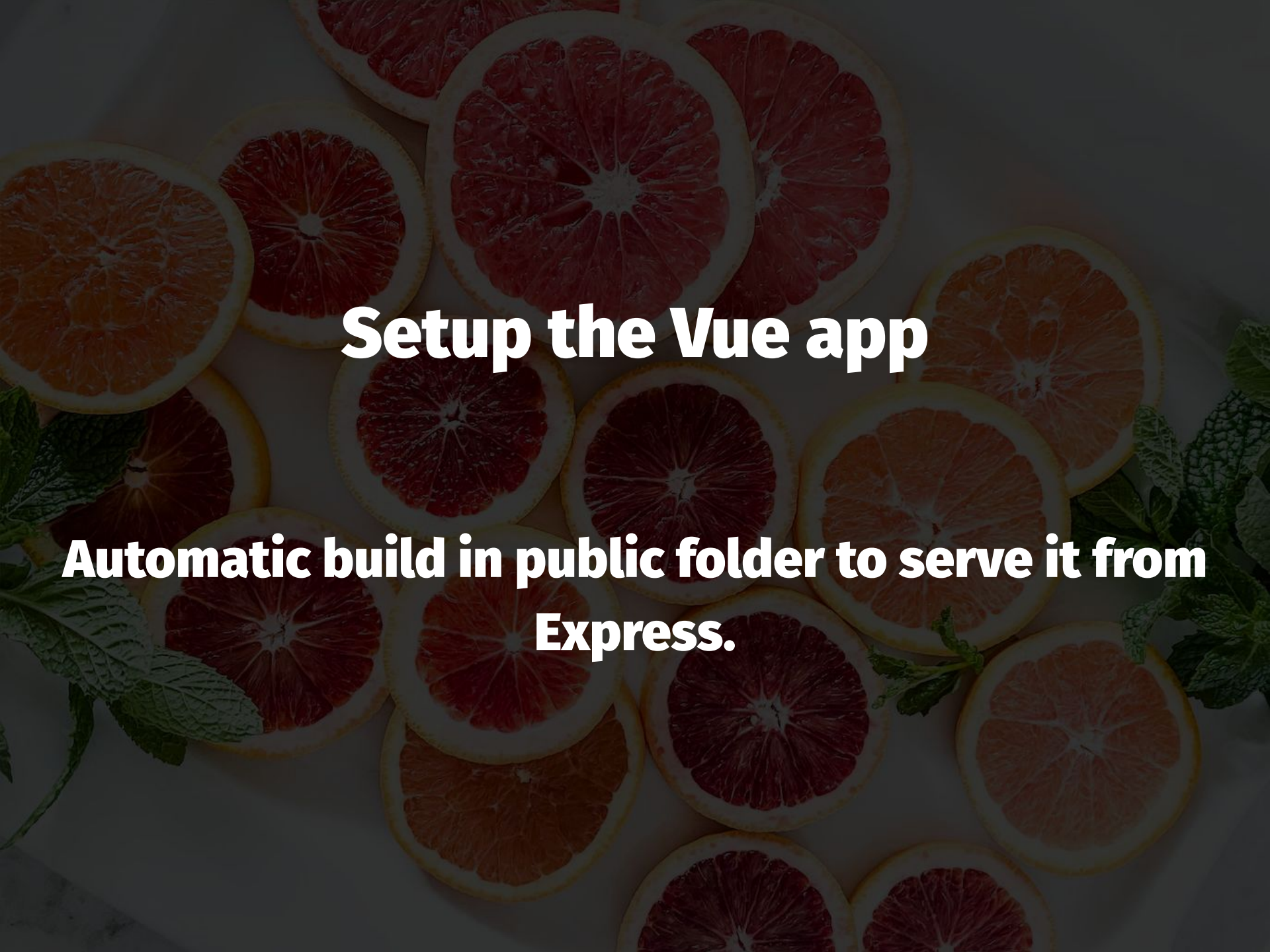

HandShake
miki
Search...
miki
Hi
miki
Hi
14:11:54
Type something...

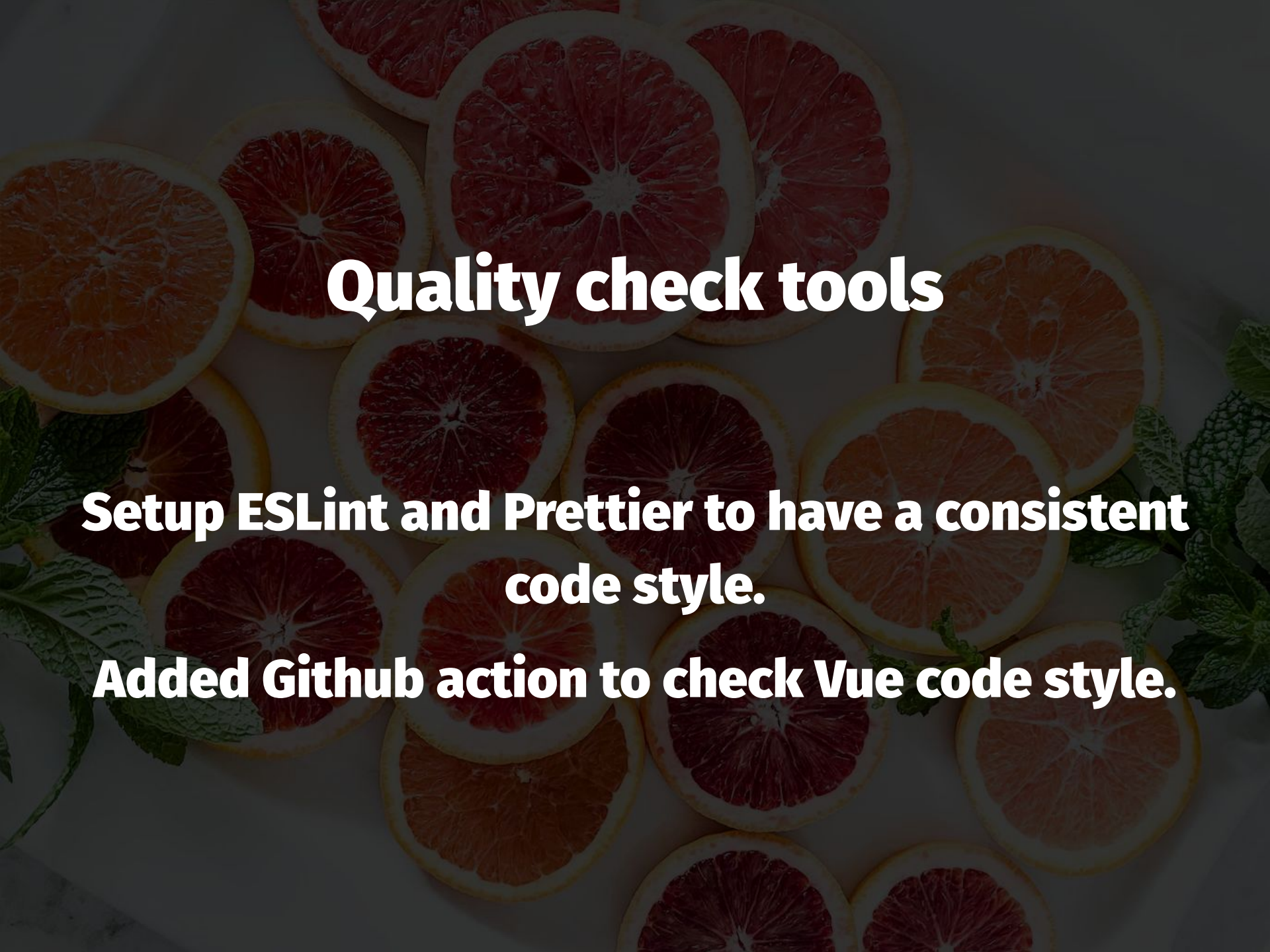

HandShake
miki
Search...
miki
Hi
miki
Hi
14:11:54
chat contact selection
Type something...

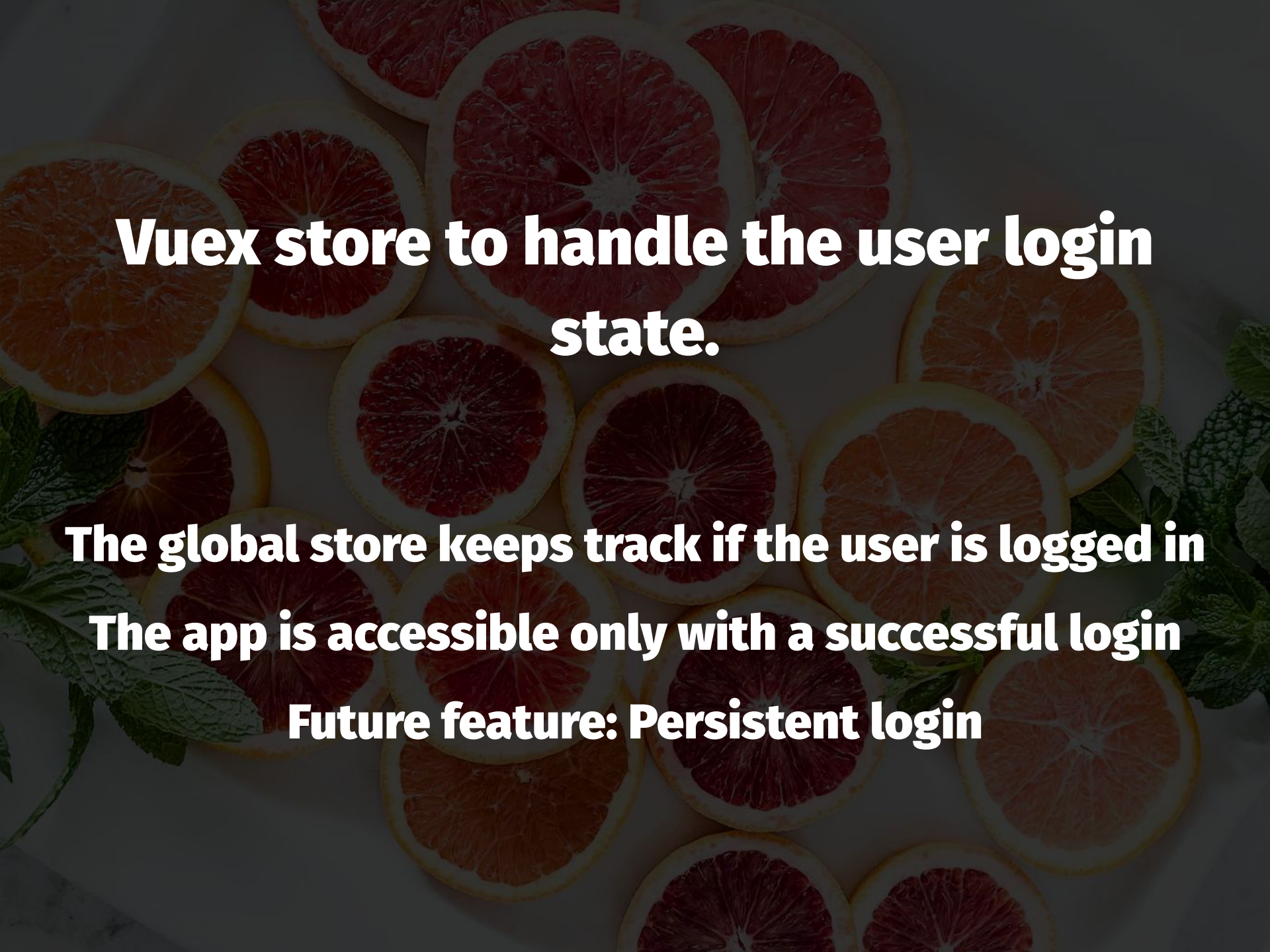

HandShake
miki
Search...
miki
Hi
Hi
14:11:54
chat contact selection
@click.native
Type something...


HandShake
miki
Search...
miki
Hi
miki
Hi
14:11:54
chat contact selection
@click.native
propagation of the event to the main view AppContainer
Type something...


VUE setup &
development


Setup the Vue app
Automatic build in public folder to serve it from Express.


Quality check tools
Setup ESLint and Prettier to have a consistent code style.
Added Github action to check Vue code style.


Vuex store to handle the user login state.
The global store keeps track if the user is logged in
The app is accessible only with a successful login
Future feature: Persistent login

Setup Axios

Installed Axios in the Vue app

Created middleware to automatically refresh token.

Api client and + custom Vue plugin

Implemented the methods to interact with the HTTP API.


Vue components development
Took care of advanced Vue topics to improve the components code.

Dynamic user search feature

Created the app search bar to find new users to create a chat with.

Automatic users list update based on the server’s response.

Pagination

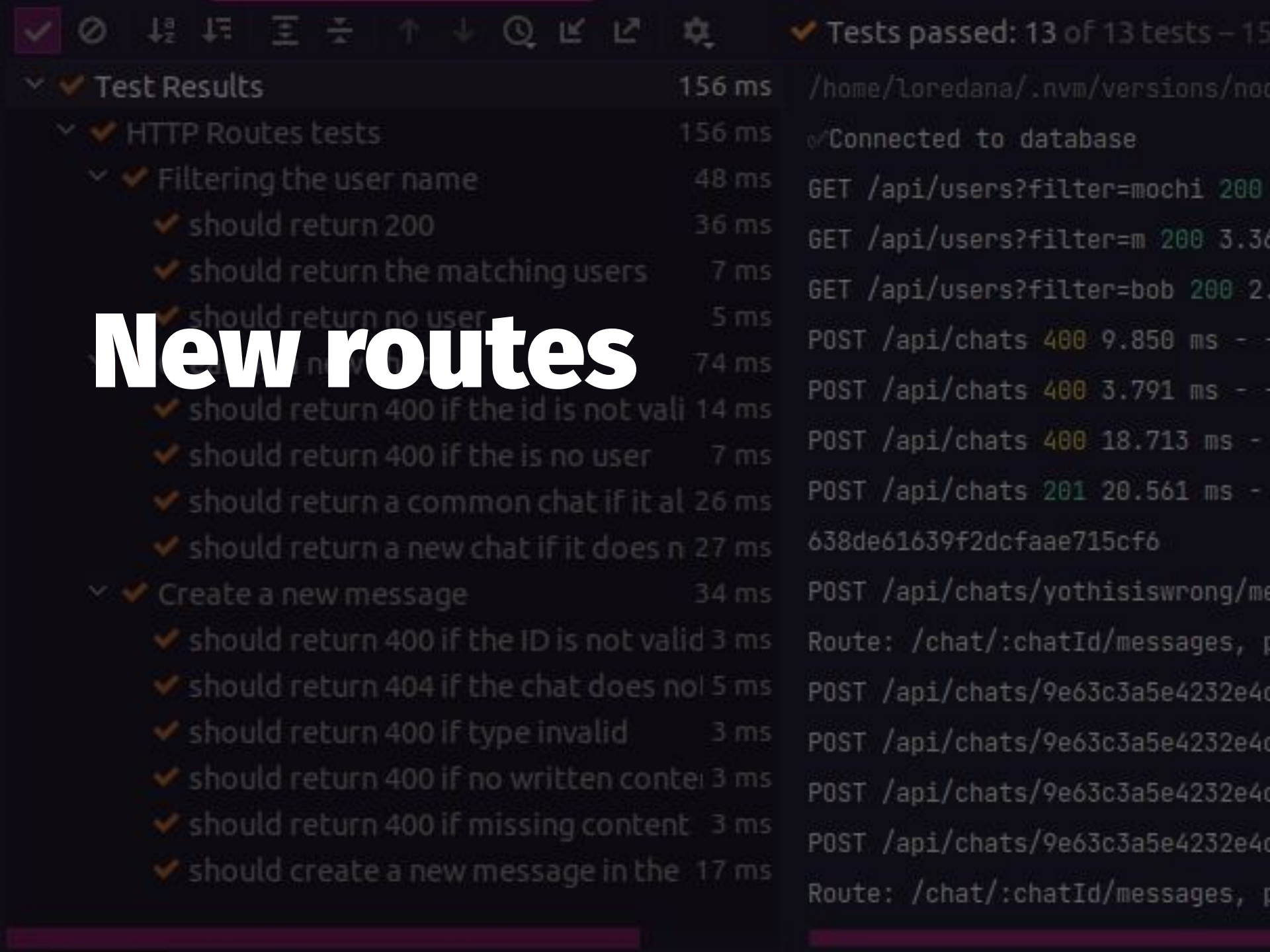
Created a limit in message length with a “Show more” link

Prevent long wait time to display big messages.

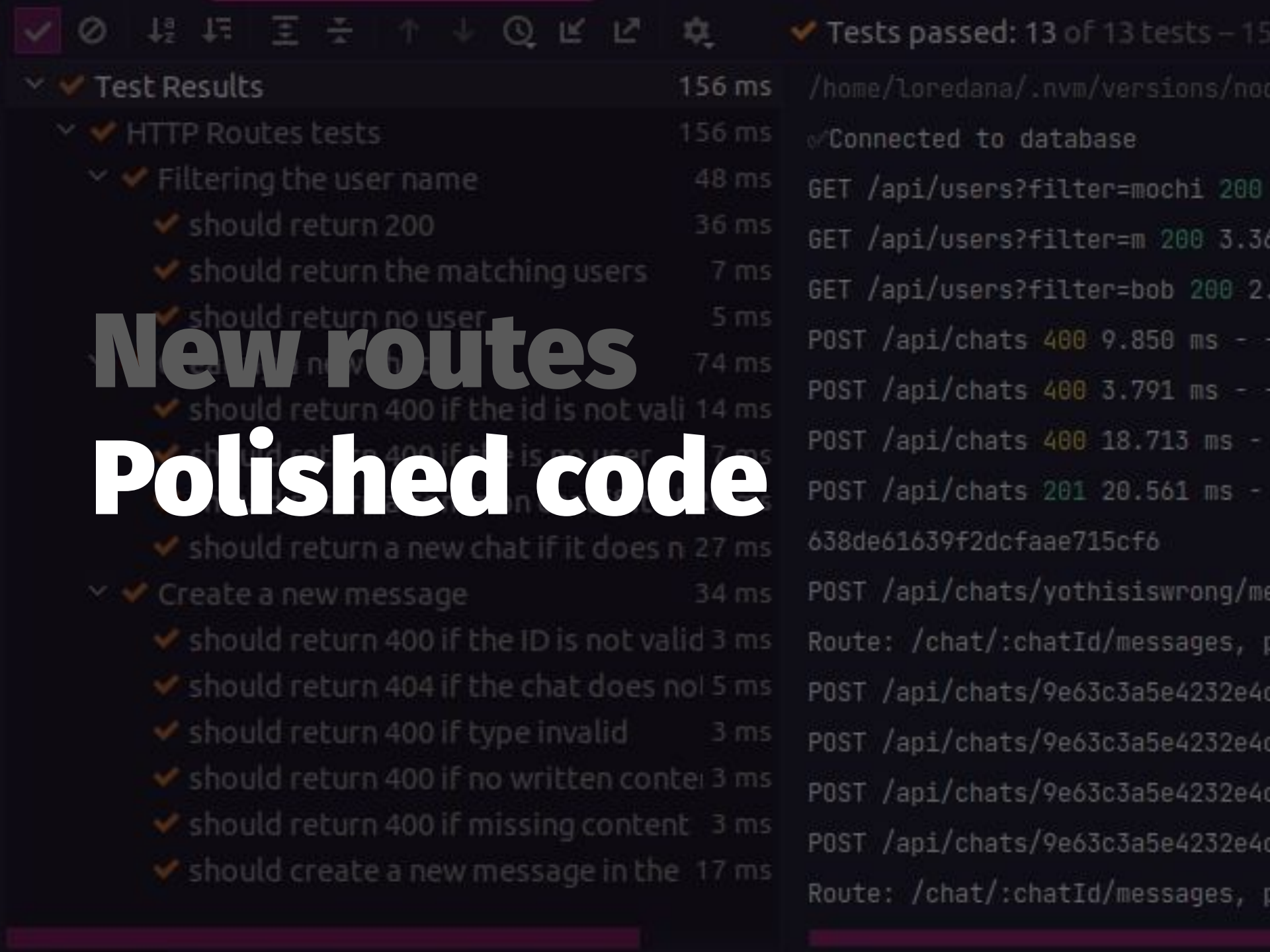
Bugs + Details

Took care of crashy bugs both in client and server code.

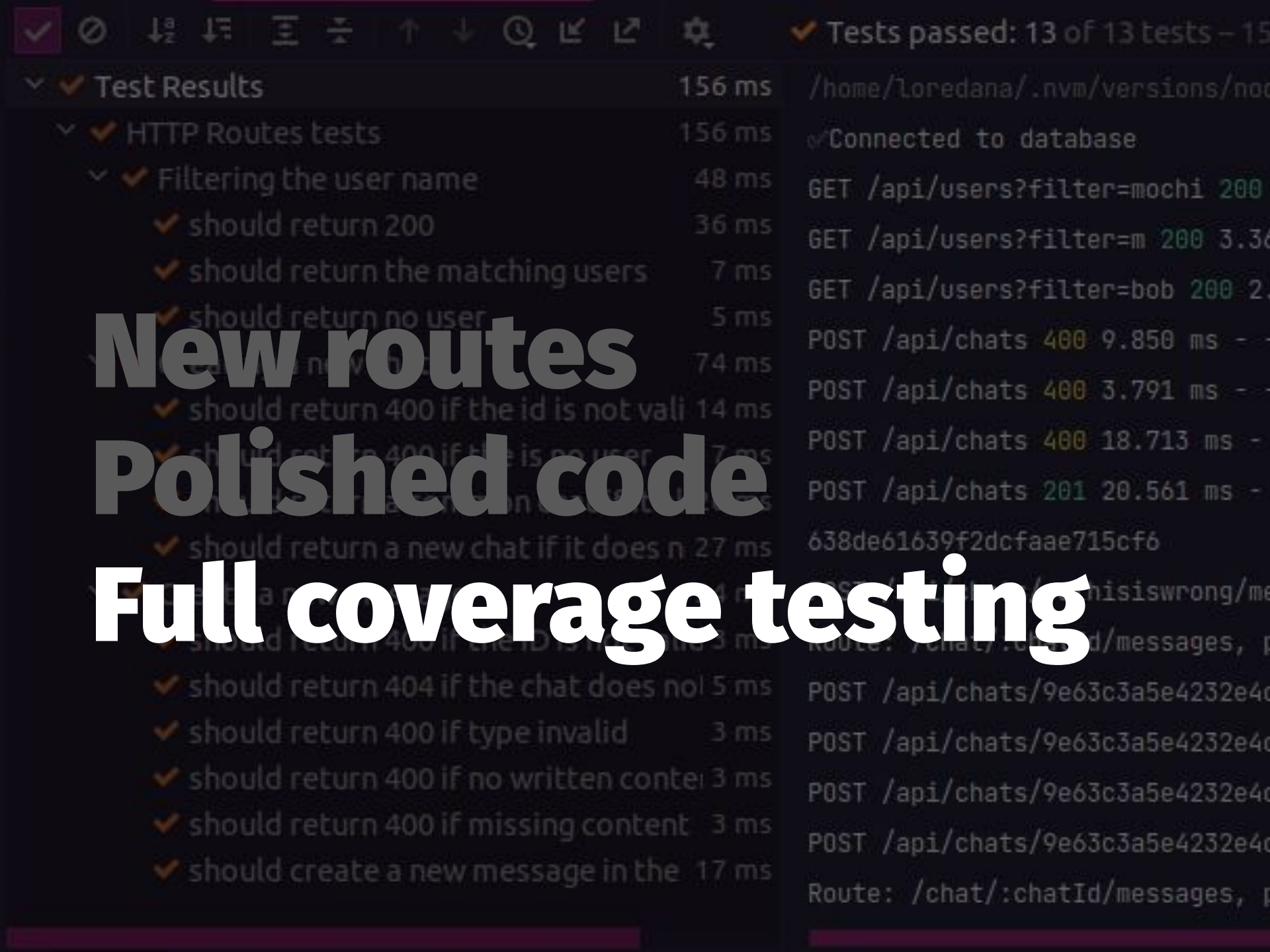

routes
ALHAMBRA
EL MONTE
MONTEREY PARK
SOUTH EL MONTE
GARVEY
MONTEBELLO


Test Results 156 ms
HTTP Routes tests 156 ms
Filtering the user name 48 ms
should return 200 36 ms
should return the matching users 7 ms
should return no user 5 ms
should return 400 if the id is not vali 14 ms
should return 400 if the is no user 7 ms
should return a common chat if it al 26 ms
should return a new chat if it does n 27 ms
Create a new message 34 ms
should return 400 if the ID is not valid 3 ms
should return 404 if the chat does no 5 ms
should return 400 if type invalid 3 ms
should return 400 if no written conte 3 ms
should return 400 if missing content 3 ms
should create a new message in the 17 ms
Tests passed: 13 of 13 tests – 15
/home/loredana/.nvm/versions/no
Connected to database
GET /api/users?filter=mochi 200
GET /api/users?filter=m 200 3.3
GET /api/users?filter=bob 200 2
POST /api/chats 400 9.850 ms -
POST /api/chats 400 3.791 ms -
POST /api/chats 400 18.713 ms -
POST /api/chats 201 20.561 ms -
638de61639f2dcfaae715cf6
POST /api/chats/yothisiswrong/me
Route: /chat/:chatId/messages,
POST /api/chats/9e63c3a5e4232e4
POST /api/chats/9e63c3a5e4232e4
POST /api/chats/9e63c3a5e4232e4
POST /api/chats/9e63c3a5e4232e4
Route: /chat/:chatId/messages,

New routes



New routes
Polished code



New routes
Polished code
Full coverage testing

backend - socket

On the first connection
Login successufully

socket.join(All chats)

Retrieve contacts

Join in the chat
get_message

retrieve messages

Write a message
post /chat/:chatID

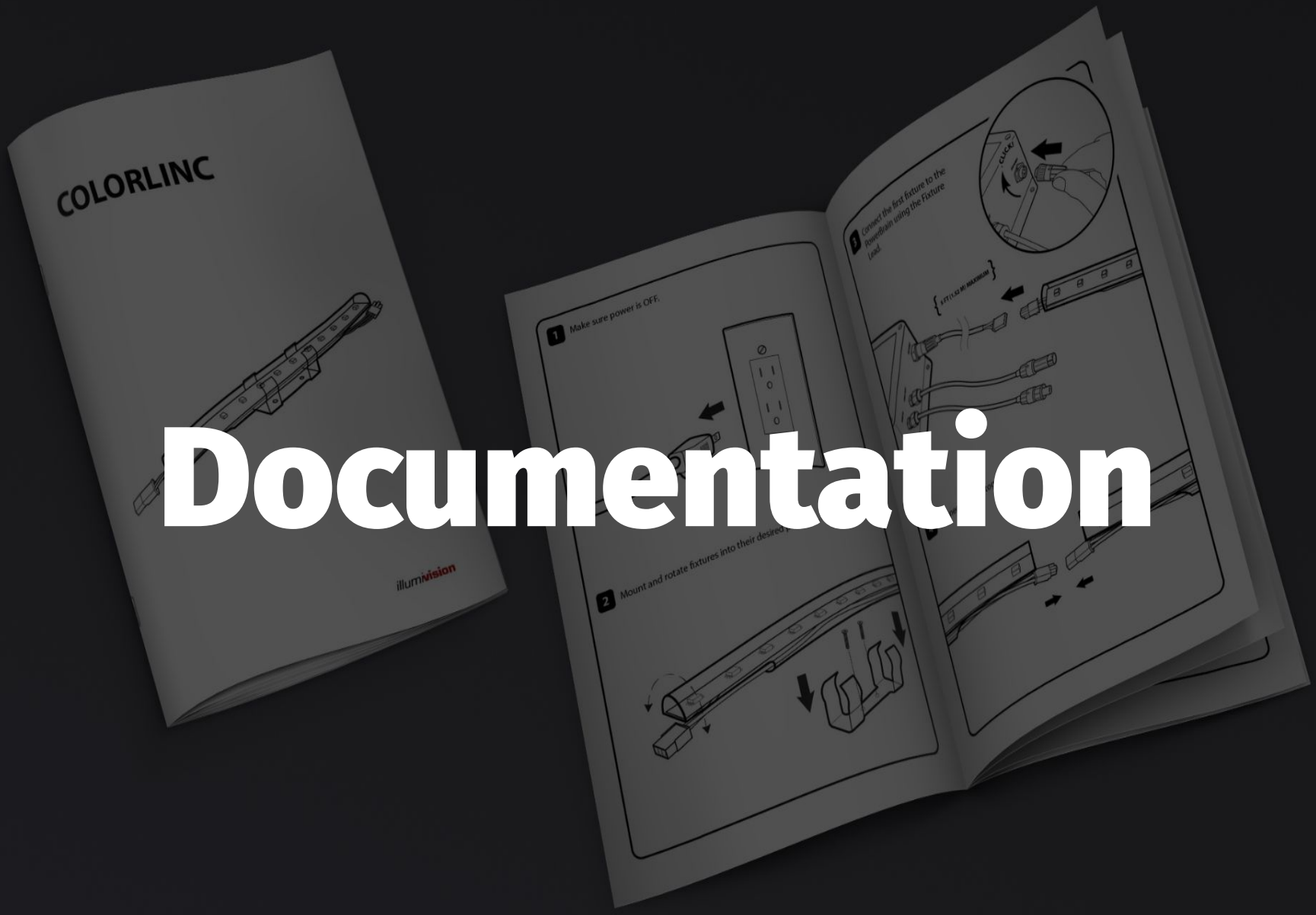
message io.to(chatID)

Middleware Authentication

```
const cookie = require('cookie');
const authConstants = require('../constants/auth.constants');

// This middleware is used to check if the user is authenticated
// and if it is, it adds the user id to the socket object
const authMiddleware = async (socket, next) => {
  const jwtCookieName = authConstants.JWT_COOKIE_NAME;
  const cookies = cookie.parse(socket.request.headers.cookie);
  const jwtToken = cookies[jwtCookieName];
  try {
    const {userId} = await verifyJWT(jwtToken);
    socket.userId = userId;
    next();
  } catch (e) {
    console.log(e);
    next(new Error('Authentication error'));
  }
};

module.exports = {
  authMiddleware,
};
```



Documentation

Developer Guide

slides	added milestone 1 slides in pdf
ER.png	Added docs UML for dataclasses
UML.png	Added docs UML for dataclasses
er.mdj	Added docs UML for dataclasses
github.md	Renamed docs, added structure.md
layout.md	Renamed docs, added structure.md
routes.md	Update routes.md
socket.md	Update socket.md
structure.md	Added ER link and fixed .gitignore

Routes HTTP

GET

/users?filter=userstring

The client request an object with all the users in an array that match the name (or part of it) with the filter value `userstring`.

The `email`, hashed `password` and `chats` fields for the User are omitted from the User structure given back as response.

The field `_id` is leaved with the preceding underscore to internally emphasize that it needs to be converted to an `ObjectId`.

```
{
  "users": [
    {
      "_id": "123abc098",
      "name": "userstr",
    }
  ],
}
```

POST

/chat

Create a chat if it doesn't already exist within its members:

Server creates the chat document from the Mongoose model and saves it to db.

side effect: socket Server emits `chat:create` to the online connected new members (event client issuing the request) of the new chat with chat object from Chat class.

Server sends back an object containing the new chat id to the client who issued the request.

handshake | Connect | View Monitoring | Browse Collections | ··· | FREE | SHARED

Enhance Your Experience

For production throughput and richer metrics, upgrade to a dedicated cluster now!

Upgrade

R 0
W 0
Last 6 hours
100.0/s

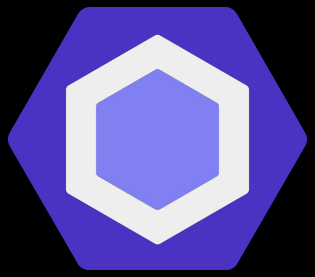
Connections 2.0
Last 6 hours
2.0

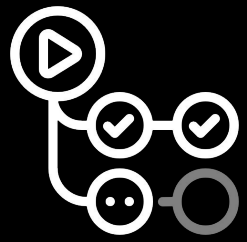
In 25.4 B/s
Out 183.2 B/s
Last 6 hours
183.2 B/s

Data Size 213.0 KB
Last 23 hours
512.0 MB

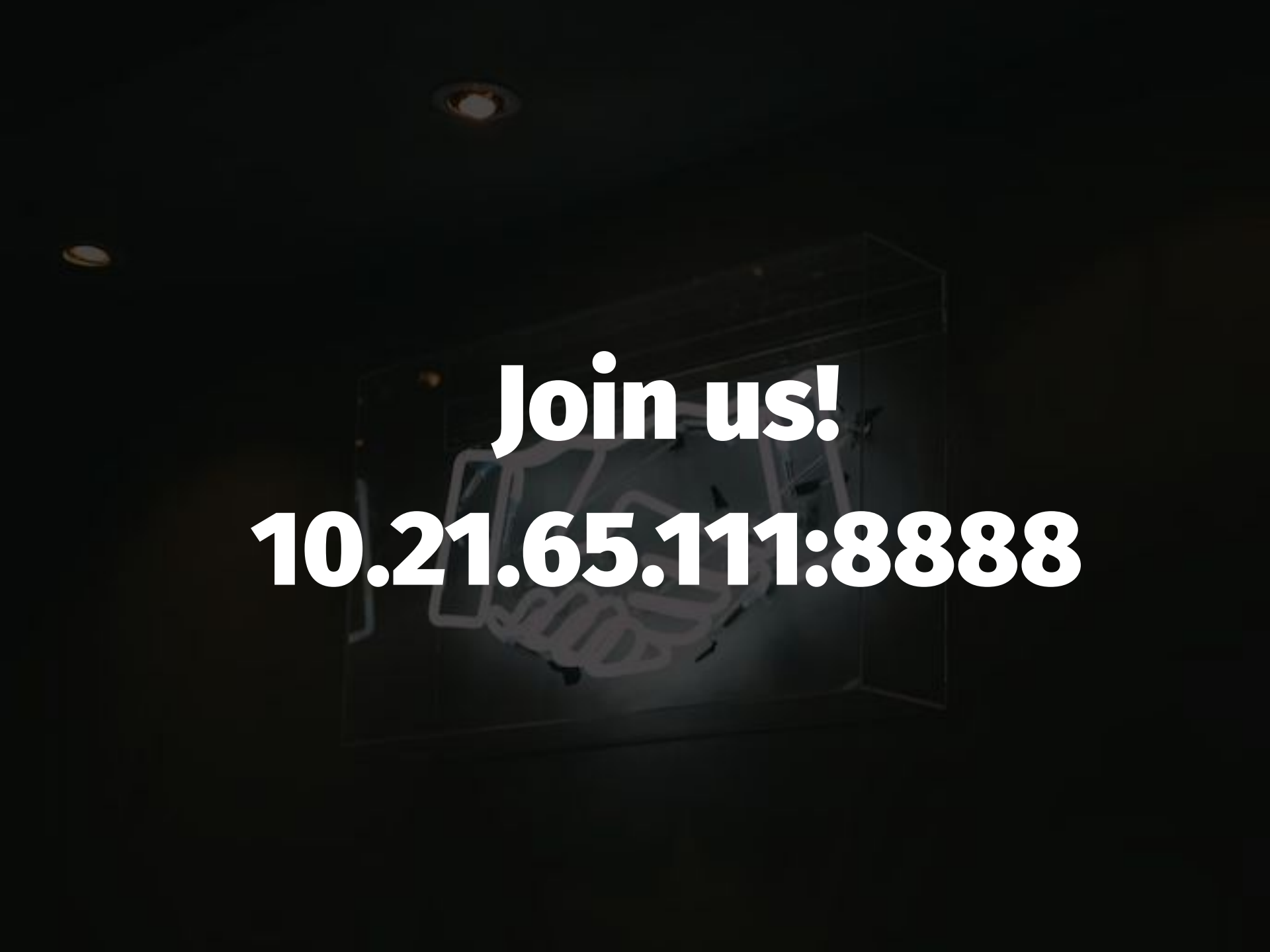
VERSION	REGION	CLUSTER TIER	TYPE	BACKUPS	LINKED APP SERVICES	ATLAS SEARCH
5.0.14	AWS / Frankfurt (eu-central-1)	M0 Sandbox (General)	Replica Set - 3 nodes	Inactive	None Linked	Create Index

Tools





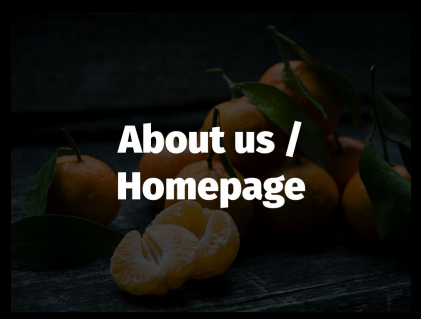
AXIOS


Join us!
10.21.65.111:8888

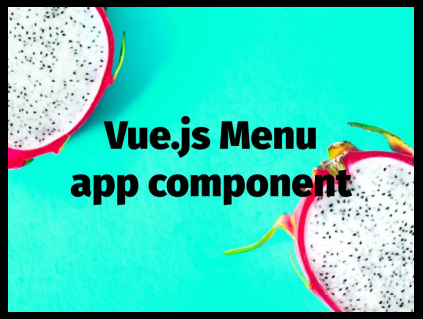
Thank you!

Dalle Rive Michele
d'Atri Sofia
De Filippo Loredana
Jeferson
Tafta Nicolò

See you at the next milestone!



mongoDB. Atlas



AXIOS